Exhibio™ Software User Manual

Software Version 3.0.0

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Exhibio™ User Manual: Version 3.0.0

Exhibio, LLC

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EXHIBIO SETUP

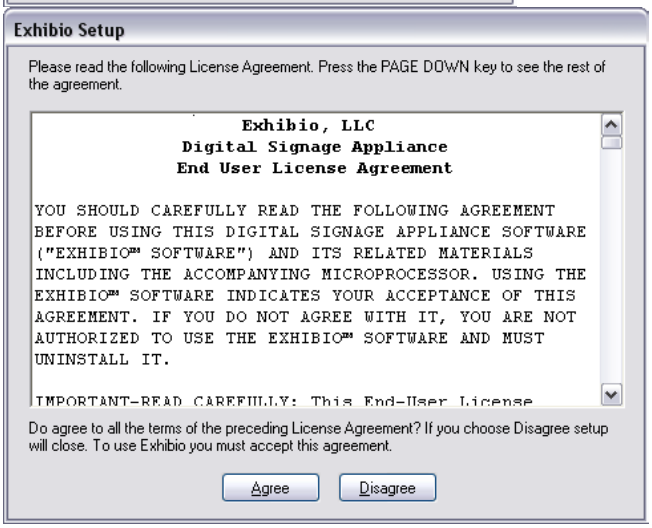
Upon powering up the Exhibio Unit, the Setup Wizard and 'Exhibio Setup Login' will appear. You will need to have plugged a keyboard and mouse into the Exhibio unit to continue.

Initializing

1. Enter the Administrator password and click 'Login'. The factory-set default password is on a sheet of paper labeled "Read Me First" inside the Exhibio shipping box.

Exhibio Setup Login
Please type your Administrator password below and press 'Login' when you're done. This password can be found on the blue sheet of paper at the top of the box your Exhibio unit was shipped in.
Password:
Login
Cancel

2. Agree to the End User License Agreement.


Exhibio Setup
Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.
Exhibio, LLC
Digital Signage Appliance
End User License Agreement
YOU SHOULD CAREFULLY READ THE FOLLOWING AGREEMENT BEFORE USING THIS DIGITAL SIGNAGE APPLIANCE SOFTWARE ("EXHIBIO™ SOFTWARE") AND ITS RELATED MATERIALS INCLUDING THE ACCOMPANYING MICROPROCESSOR. USING THE EXHIBIO™ SOFTWARE INDICATES YOUR ACCEPTANCE OF THIS AGREEMENT. IF YOU DO NOT AGREE WITH IT, YOU ARE NOT AUTHORIZED TO USE THE EXHIBIO™ SOFTWARE AND MUST UNINSTALL IT.
IMPORTANT-READ CAREFULLY: This End-User License
Do agree to all the terms of the preceding License Agreement? If you choose Disagree setup will close. To use Exhibio you must accept this agreement.
Agree
Disagree

The Setup Utility

The Setup Utility allows you to manage the Display Resolution, Users & Passwords, Sign Grouping, Date & Time, and Preferences. It also displays the System Information for the Exhibio Unit.

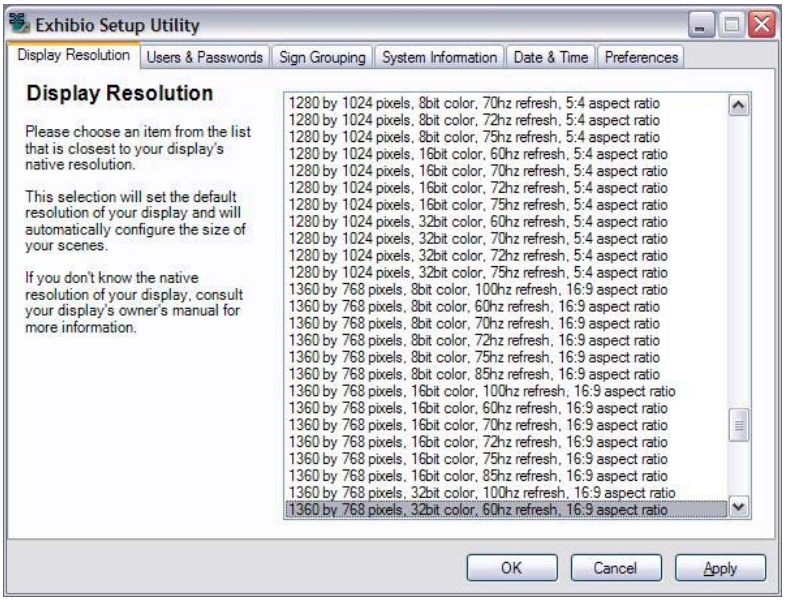
Note *Altering the Sign Grouping, viewing the System Information, changing the Date & Time, and editing Preferences are optional. After you have selected the Display Resolution, and changed the Administrator User Password you may click the 'Finished' button at any time to complete the setup process.*

Display Resolution

1. Select the appropriate resolution for your display, and then click 'Next'.

   Consult your display's owners manual to determine the optimal resolution, color bit depth, refresh rate, and aspect ratio.

   You will typically want to choose a resolution with the same aspect ratio as your display to avoid having your content appear stretched out.

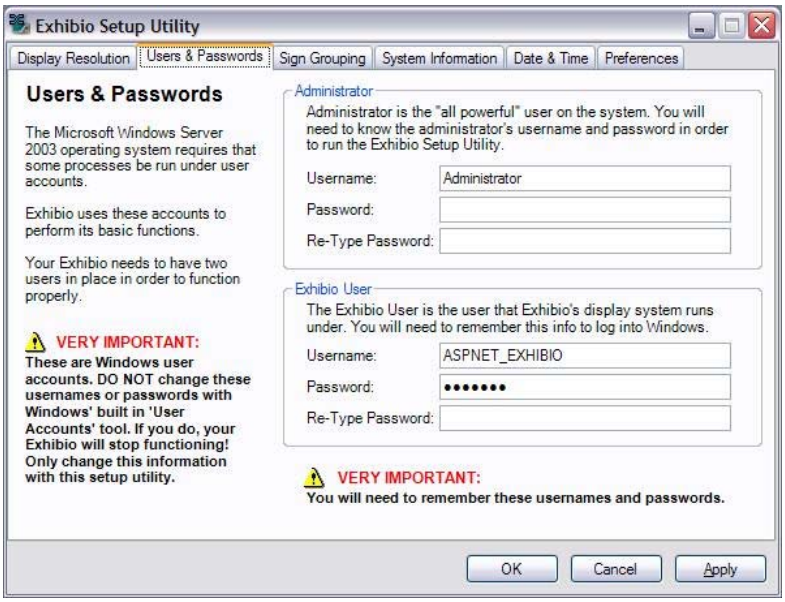

Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Display Resolution
Please choose an item from the list that is closest to your display's native resolution.
This selection will set the default resolution of your display and will automatically configure the size of your scenes.
If you don't know the native resolution of your display, consult your display's owner's manual for more information.
1280 by 1024 pixels, 8bit color, 70hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 8bit color, 72hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 8bit color, 75hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 16bit color, 60hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 16bit color, 70hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 16bit color, 72hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 16bit color, 75hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 32bit color, 60hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 32bit color, 70hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 32bit color, 72hz refresh, 5:4 aspect ratio
1280 by 1024 pixels, 32bit color, 75hz refresh, 5:4 aspect ratio
1360 by 768 pixels, 8bit color, 100hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 8bit color, 60hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 8bit color, 70hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 8bit color, 72hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 8bit color, 75hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 8bit color, 85hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 100hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 60hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 70hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 72hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 75hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 16bit color, 85hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 32bit color, 100hz refresh, 16:9 aspect ratio
1360 by 768 pixels, 32bit color, 60hz refresh, 16:9 aspect ratio
OK
Cancel
Apply

Tip *16:9 aspect ratio is also known as 'Widescreen' and is used by all plasmas, most HDTV's and most LCD displays.*

Important *Selecting a resolution lower than 800x600 will trigger a Windows error message.* ***DO NOT*** *allow Windows to change the displays resolution outside of the Exhibio Setup Utility.*

Users & Passwords

1. Change the Administrator and Exhibio User Passwords.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Users & Passwords
The Microsoft Windows Server 2003 operating system requires that some processes be run under user accounts.
Exhibio uses these accounts to perform its basic functions.
Your Exhibio needs to have two users in place in order to function properly.
VERY IMPORTANT:
These are Windows user accounts. DO NOT change these usernames or passwords with Windows' built in 'User Accounts' tool. If you do, your Exhibio will stop functioning! Only change this information with this setup utility.
Administrator
Administrator is the "all powerful" user on the system. You will need to know the administrator's username and password in order to run the Exhibio Setup Utility.
Username: Administrator
Password:
Re-Type Password:
Exhibio User
The Exhibio User is the user that Exhibio's display system runs under. You will need to remember this info to log into Windows.
Username: ASPNET_EXHIBIO
Password: •••••••
Re-Type Password:
VERY IMPORTANT:
You will need to remember these usernames and passwords.
OK
Cancel
Apply

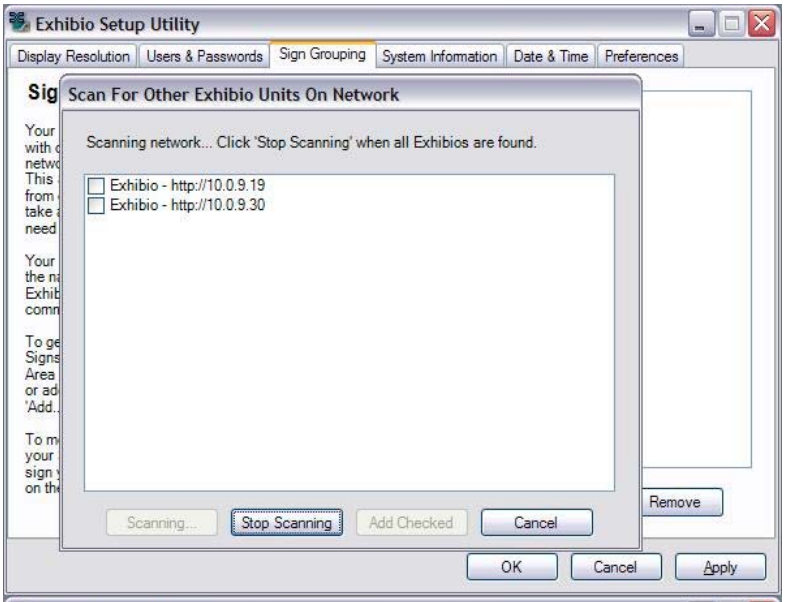
Important *These user accounts should* ***ONLY*** *be changed from the Setup Utility and* ***NEVER*** *changed by using Windows built-in tools and wizards. If any changes are made outside of the Setup Utility, the Exhibio unit may not function properly.*

Sign Grouping

This section describes how to group two or more Exhibio Units together. Signs need to be grouped if you wish to clone Exhibio Scenes between them.

Find Signs

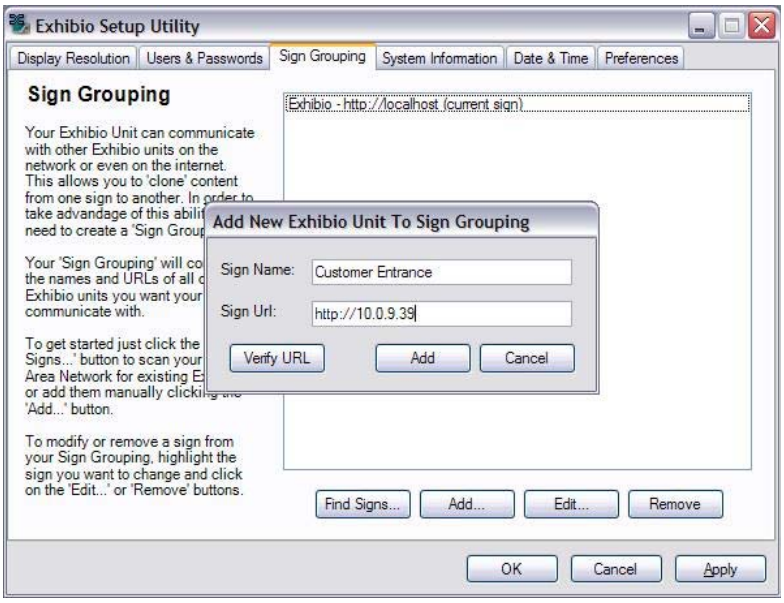
1. Begin by clicking the 'Find Signs' button. A dialog box will appear allowing you to scan the network and find other Exhibio Units. Click the 'Start Scanning' button. When all of the systems are found, click 'Stop Scanning'. Select each unit you want to add to the group and click on the 'Add Checked' button.



2. Once you have added your groups, you can edit the name of each Exhibio Unit by highlighting the sign, and then selecting the 'Edit' button.

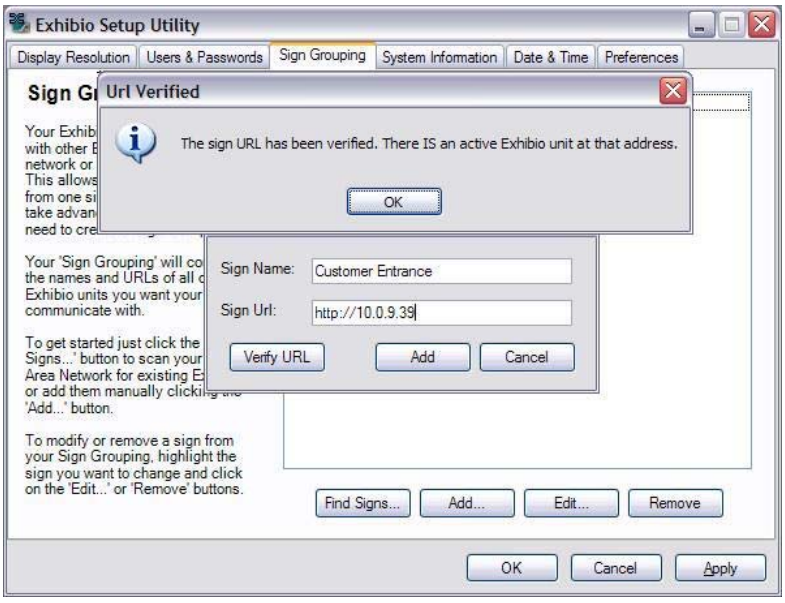
Add Signs

1. If you already own an Exhibio Unit and want to add it directly, click on the 'Add…' button. You will need to type in the sign's name and URL.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Sign Grouping
Exhibio - http://localhost (current sign)
Your Exhibio Unit can communicate with other Exhibio units on the network or even on the internet. This allows you to 'clone' content from one sign to another. In order to take advandage of this abilit need to create a 'Sign Group
Your 'Sign Grouping' will co the names and URLs of all c Exhibio units you want your communicate with.
To get started just click the Signs...' button to scan your Area Network for existing E or add them manually clicki 'Add...' button.
To modify or remove a sign from your Sign Grouping, highlight the sign you want to change and click on the 'Edit...' or 'Remove' buttons.
Add New Exhibio Unit To Sign Grouping
Sign Name:
Customer Entrance
Sign Url:
http://10.0.9.39
Verify URL
Add
Cancel
Find Signs...
Add...
Edit...
Remove
OK
Cancel
Apply

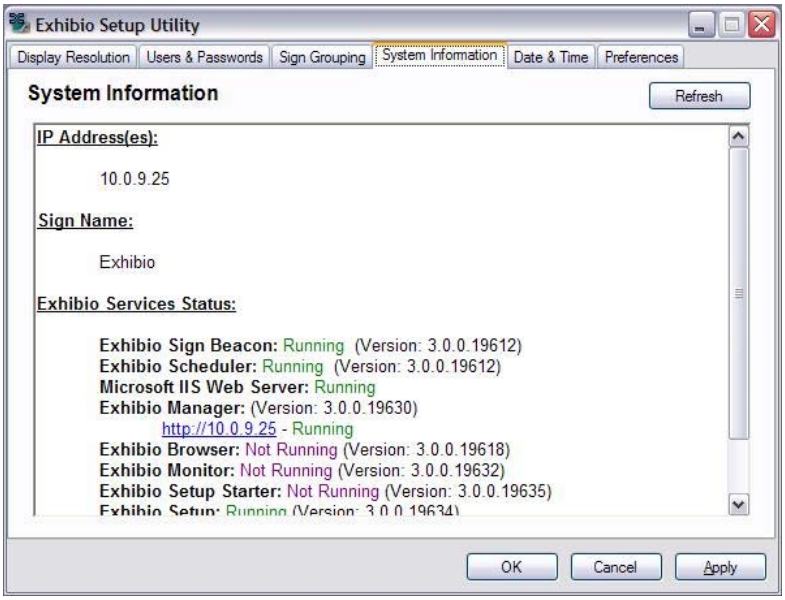
Important *By default, your Exhibio IS NOT accessible over the Internet. It is only accessible from within your LAN (Local Area Network). Making the unit accessible from the Internet requires a specific modification to your network configuration by your network administrator or consultant. For grouping functionality to work outside of your LAN, your network must be configured to allow access to the Exhibio's web server from the Internet.*

2. Then click on the 'Verify URL' button. This will verify that the location is an Exhibio Unit and can be grouped.



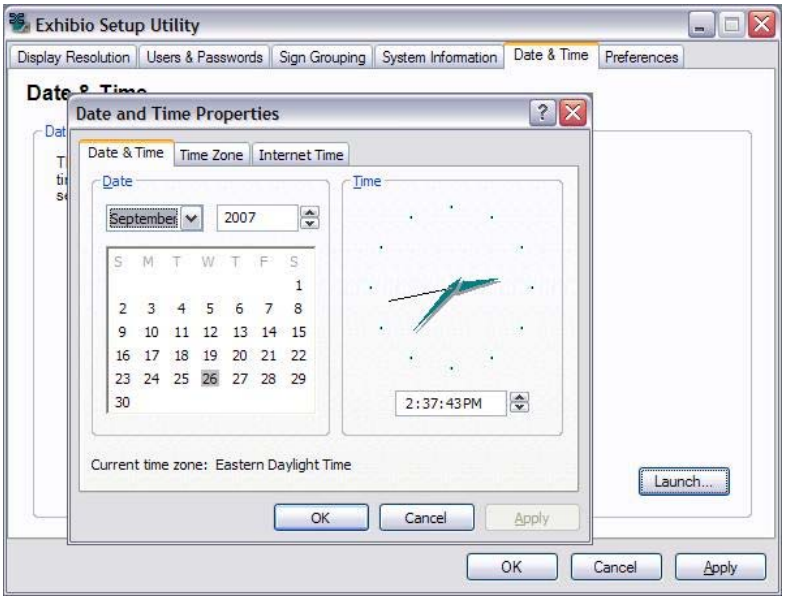
System Information

Write down the network IP address of your unit. This is the address you will input into your web browser to access the Exhibio Manager.



Date & Time

Set your time zone, the current date and time.

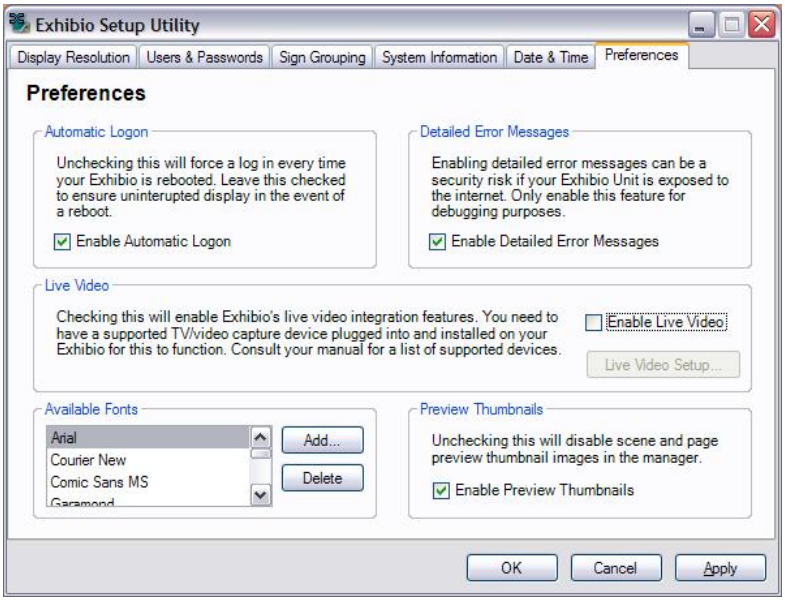


Preferences

From the Preferences section, you can enable Automatic Logon to avoid having to type the Exhibio user password at system startup.

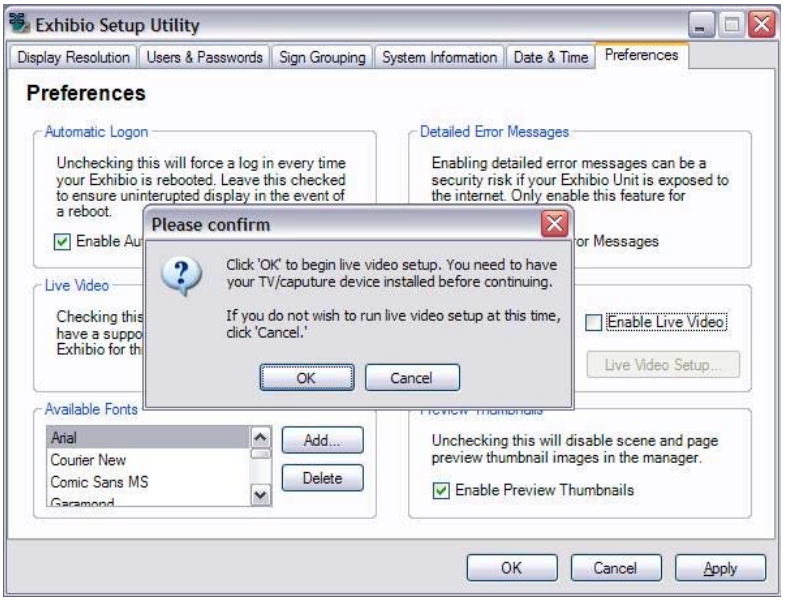
For troubleshooting purposes, you may also check 'Enable Detailed Error Messages'.

If you would like to see thumbnail images of your scenes in the Exhibio Manager, keep the 'Enable Preview Thumbnails' checked.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Preferences
Automatic Logon
Unchecking this will force a log in every time your Exhibio is rebooted. Leave this checked to ensure uninterupted display in the event of a reboot.
Enable Automatic Logon
Detailed Error Messages
Enabling detailed error messages can be a security risk if your Exhibio Unit is exposed to the internet. Only enable this feature for debugging purposes.
Enable Detailed Error Messages
Live Video
Checking this will enable Exhibio's live video integration features. You need to have a supported TV/video capture device plugged into and installed on your Exhibio for this to function. Consult your manual for a list of supported devices.
Enable Live Video
Live Video Setup...
Available Fonts
Arial
Courier New
Comic Sans MS
Add...
Delete
Preview Thumbnails
Unchecking this will disable scene and page preview thumbnail images in the manager.
Enable Preview Thumbnails
OK
Cancel
Apply

Enabling Live Video

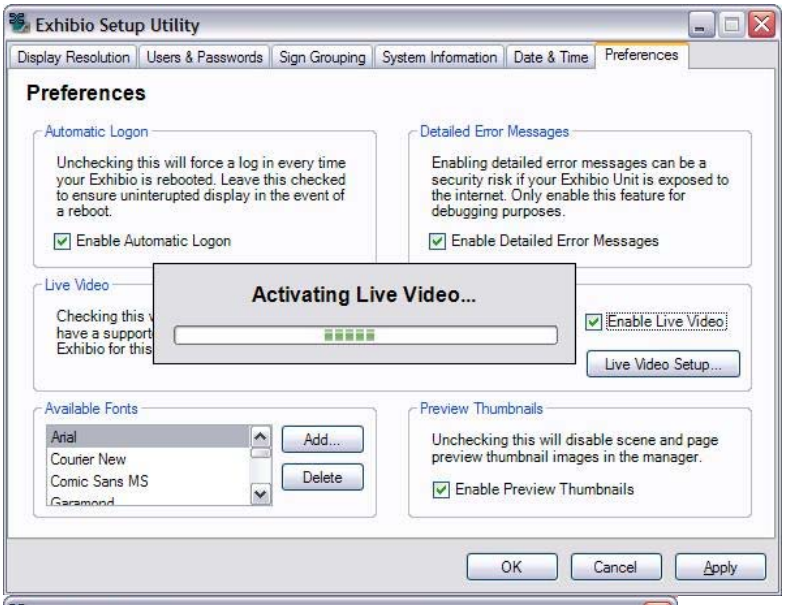
To enable the Live Video feature, please ensure that you have installed the Live Video hardware (instructions found in your Exhibio Hardware Manual or Live Video Setup Guide). Click on the 'OK' button once your device is installed.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Preferences
Automatic Logon
Unchecking this will force a log in every time your Exhibio is rebooted. Leave this checked to ensure uninterupted display in the event of a reboot.
Detailed Error Messages
Enabling detailed error messages can be a security risk if your Exhibio Unit is exposed to the internet. Only enable this feature for
Please confirm
Click 'OK' to begin live video setup. You need to have your TV/caputure device installed before continuing.
If you do not wish to run live video setup at this time, click 'Cancel.'
OK
Cancel
Live Video
Enable Live Video
Live Video Setup...
Available Fonts
Arial
Courier New
Comic Sans MS
Add...
Delete
Unchecking this will disable scene and page preview thumbnail images in the manager.
Enable Preview Thumbnails
OK
Cancel
Apply

Please wait for Live Video to activate. This may take several seconds.

Once activation completes, click 'OK' to display the Live Video Setup window.

Click 'OK' when asked to add channels.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Preferences
Automatic Logon
Unchecking this will force a log in every time your Exhibio is rebooted. Leave this checked to ensure uninterupted display in the event of a reboot.
Enable Automatic Logon
Detailed Error Messages
Enabling detailed error messages can be a security risk if your Exhibio Unit is exposed to the internet. Only enable this feature for debugging purposes.
Enable Detailed Error Messages
Live Video
Activating Live Video...
Enable Live Video
Live Video Setup...
Available Fonts
Arial
Courier New
Comic Sans MS
Add...
Delete
Preview Thumbnails
Unchecking this will disable scene and page preview thumbnail images in the manager.
Enable Preview Thumbnails
OK
Cancel
Apply

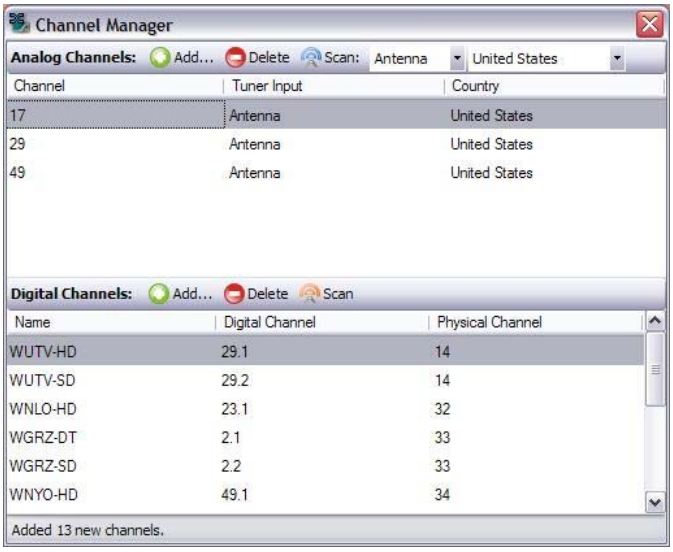
Analog Channels
For analog channel scanning, select either 'Antenna' or 'Cable', select your country, and then click on the 'Scan' button.

Digital Channels
For digital channel scanning, click on the 'Scan' button.

It may take the tuner several minutes to scan for channels.

After scanning completes, a list of channels will be shown. In the background, the Live Video Setup window will be running the first channel that was found during the scan.

You may manually add or remove any channels you wish by clicking the 'Add…' and 'Delete' buttons. Close the Channel Manager dialog when you are finished.



Note *Digital TV is only available for users with a Hauppauge HVR-950 TV Tuner device and appropriate decoders installed. Currently, only ATSC digital television is supported. At the time of this writing (November 19th, 2007) the ATSC standard is used in the following countries: Argentina (experimental), Bahamas, Canada, Columbia (experimental), Chile (experimental only in Santiago), Guatemala (experimental), Honduras, Mexico, United States, Puerto Rico, U.S. Virgin Islands, and South Korea.*

Note *For a list of ATSC (Digital TV) transmissions in your area, input your Zip code at http://www.titantv.com. When you see the TV guide information for your area, click the HD only button.*

Note *Digital TV reception requires an antenna capable of picking up a strong signal. Go to http://www.antennaweb.org to find out what type of antenna you will require.*

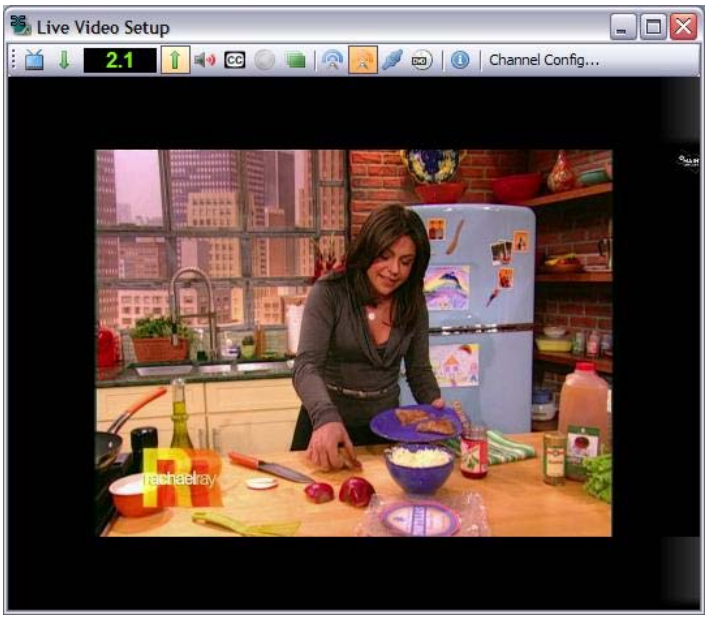
The sections below explain each of the buttons found in the Live Video Setup Window:

The up and down buttons will allow you to advance through any channels that have been added in the Channel Manager.

This button will bring up the volume control dialog.

This button will enable the display of Closed Captioning text over the video.

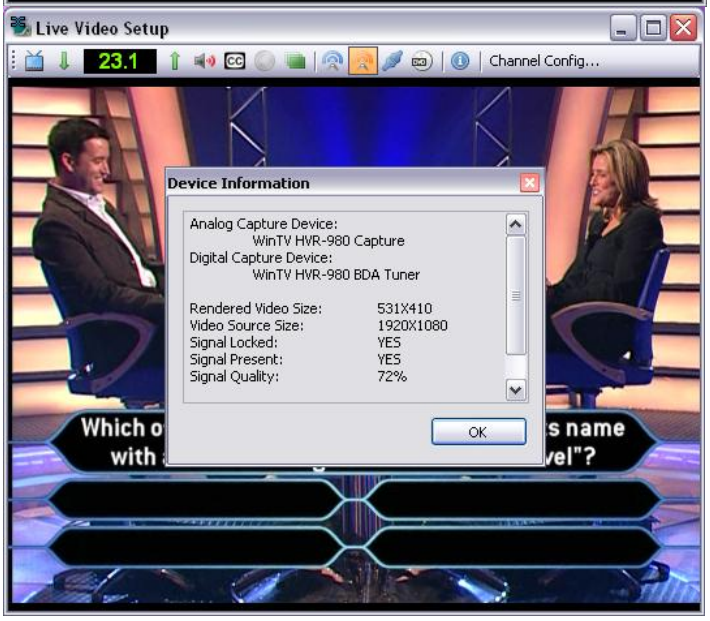
This button will bring up a



dialog allowing you to change the aspect ratio. You may also test changing the overscan to remove ay visual artifacts from the edges of the video source.

These buttons will allow you to switch between Digital TV, Analog TV, Composite, or S-Video inputs.

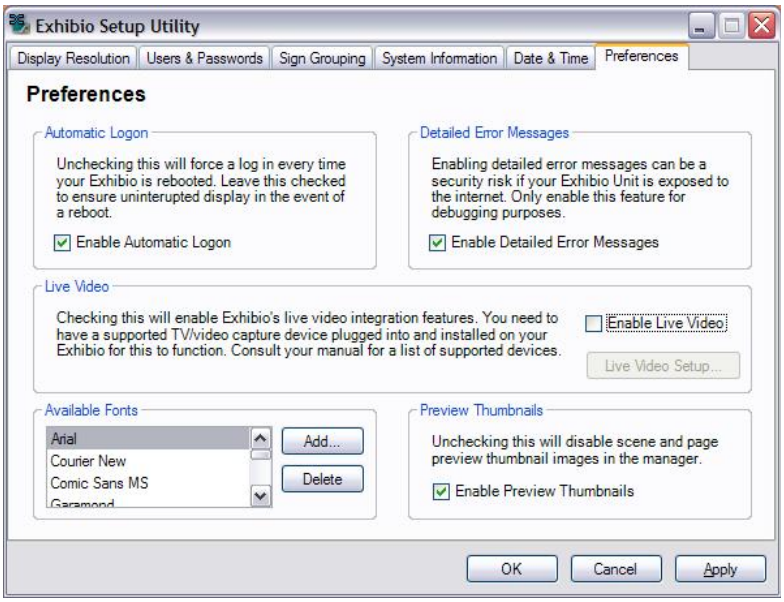
This button will display a dialog with more information about the currently selected video input and/or channel. For Digital TV, it will also show the 'Signal Quality' data. We recommend that you not use digital channels that consistently show a signal quality of less than 70%.



Note *Any changes made in this area will not remain. Use this only as an area for testing different settings.*

Adding / Deleting Fonts

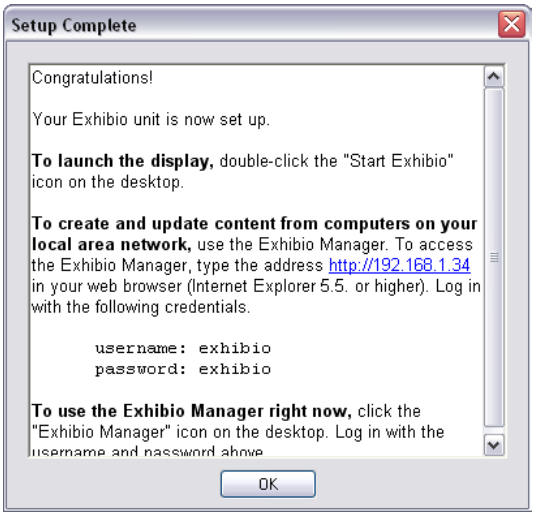
For instructions, please refer to 'Adding Fonts' at the end of this chapter. If you would like to install fonts that aren't in the 'Available Fonts' list, this must be done after you've gone through the Exhibio Setup at least once.


Exhibio Setup Utility
Display Resolution
Users & Passwords
Sign Grouping
System Information
Date & Time
Preferences
Preferences
Automatic Logon
Unchecking this will force a log in every time your Exhibio is rebooted. Leave this checked to ensure uninterupted display in the event of a reboot.
Enable Automatic Logon
Detailed Error Messages
Enabling detailed error messages can be a security risk if your Exhibio Unit is exposed to the internet. Only enable this feature for debugging purposes.
Enable Detailed Error Messages
Live Video
Checking this will enable Exhibio's live video integration features. You need to have a supported TV/video capture device plugged into and installed on your Exhibio for this to function. Consult your manual for a list of supported devices.
Enable Live Video
Live Video Setup...
Available Fonts
Arial
Courier New
Comic Sans MS
Add...
Delete
Preview Thumbnails
Unchecking this will disable scene and page preview thumbnail images in the manager.
Enable Preview Thumbnails
OK
Cancel
Apply

Note *Any fonts which you would like to add must first be placed into the 'Fonts' folder in the Control Panel.*

Setup Complete

When the 'Setup Complete' dialog appears, click 'OK'. You may now remove the keyboard and mouse that you previously attached to the unit. You'll only need to use the Setup Utility occasionally from now on. All day-to-day content management tasks are handled by the Exhibio Manager web application.

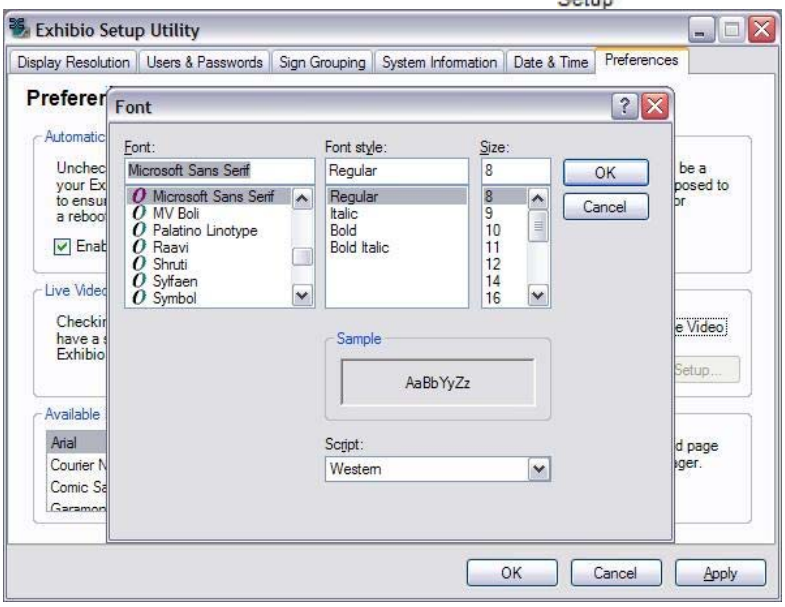

Setup Complete
Congratulations!
Your Exhibio unit is now set up.
To launch the display, double-click the "Start Exhibio" icon on the desktop.
To create and update content from computers on your local area network, use the Exhibio Manager. To access the Exhibio Manager, type the address http://192.168.1.34 in your web browser (Internet Explorer 5.5. or higher). Log in with the following credentials.
username: exhibio
password: exhibio
To use the Exhibio Manager right now, click the "Exhibio Manager" icon on the desktop. Log in with the
OK

Adding Fonts

To add fonts, you first need to add them to the Fonts folder of the Control Panel, and then select them in the Exhibio Setup Utility. Please follow these steps:

1. Plug a keyboard and mouse directly into the Exhibio System.
2. Stop the current sign display by pressing the 'Esc' key.
3. Log out of the Exhibio User account by clicking on 'Start' then 'Log Off'.

4. Log in as the Exhibio Administrator user.
5. Once logged in, open the 'Control Panel', and open the 'Fonts' folder.
6. Copy your fonts into this directory, and then close out of the 'Fonts' folder and 'Control Panel'.
7. Double click the Exhibio Setup icon on the Desktop. The Setup Utility will launch.
8. Log into the Setup Utility with the Windows Administrator Password.
9. Click on the 'Preferences' tab at the top of the menu.
10. Click on the 'Add' button under the 'Available Fonts' section.
11. Use the scroll bar under the 'Font' section to find the font you wish to add. You can use the 'Font Style' and 'Size' settings to preview how your font will look. Press the 'OK' button when you're done.
12. To add more fonts, repeat step 11.
13. Once you have added all of your fonts, click on the 'OK' button in the Exhibio Setup Utility.



Future Access to Exhibio Setup

If you need to change any of these settings in the future, you can access the Setup Utility from the Windows Desktop on the unit.

1. Plug a keyboard and mouse directly into the Exhibio System.
2. Stop the current sign display by pressing the 'Esc' key.
3. Double click the Exhibio Setup icon on the Desktop. The Setup Utility will launch.
4. Log into the Setup Utility with the Exhibio Administrator Password.

EXHIBIO MANAGER

The Exhibio Manager is fully integrated into the Exhibio Unit and doesn't require additional installation on other PCs, or any other configuration. The Exhibio Manager allows authorized individuals to create, schedule and edit content, and also to create and review campaign reports.

Accessing the Exhibio Manager

You can access the Exhibio Manager from any compatible web browser on any computer that has network or internet access to the Exhibio Unit. This is accomplished in one of three ways:

1. **On your Local Area Network (LAN):** Access the unit using an internal IP address or name.
2. **Over the Internet:** Your network administrator will need to expose the Exhibio's built-in web server to the public internet.
3. **Directly on the display:** Stop the sign display by pressing the 'Esc' key, and access the Exhibio Manager by double-clicking the 'Exhibio Manager' icon. When you have finished modifying the content within the Exhibio Manager, you can restart the sign display by double-clicking on the 'Start Exhibio' icon.

System Requirements

The Exhibio Manager is accessible from your personal computer using any of the web browsers listed below.

- Microsoft Internet Explorer 6.0 or higher for Windows (Strongly recommended)
- Opera 9.2 or higher (Windows and Mac)
- Mozilla Firefox 2.0 or higher (Windows and Mac)
- Safari 3.0 or higher (Mac and Windows)

Note *The Macintosh version of Internet Explorer is NOT compatible with the Exhibio Manager. Cookies and JavaScript MUST be enabled.*

Hardware

A Pentium 4 class PC or higher is recommended. Also, a monitor that has a resolution that is at least as high as your display device is recommended. Lower resolution displays will show only a portion of the preview, forcing you to scroll horizontally and/or vertically to see the entire preview window. For example, if you use the Exhibio with a 40" LCD display with a resolution of 1366x768, and you access the manager via a 17" monitor with a resolution of 1024x768, you will only see a portion of the preview.

Important *Set your Internet Explorer font size to 'Medium'. This will ensure that what you see in the Manager matches what is seen on the display.*

Logging In

Enter your Exhibio username and password.

First Time Login: The first time you access the Exhibio Manager, the default username and password are both "exhibio" (all lowercase without the quotes).

Product Registration

1. Towards the bottom left, you will notice a red area stating "Your Exhibio is Not Registered, click here to complete product registration."
2. If your Exhibio Unit has access to the Internet, click on 'Register Over The Internet' and click 'Next'. If it doesn't have access to the Internet, click on 'Register by Phone' and click 'Next'.
3. For Internet Registration, fill out the form and click 'Next'. Then click 'Finish'.

   For Phone Registration, please call the number shown on the screen, to register your product.

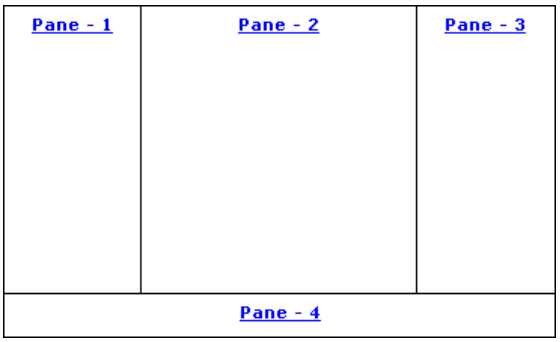
Scenes, Panes, Pages

Scenes

A Scene is the sum of Panes and Pages displayed on the screen within your chosen pane Layout. A scene is comprised of one or more Panes. You may create multiple Scenes to accommodate your content needs.

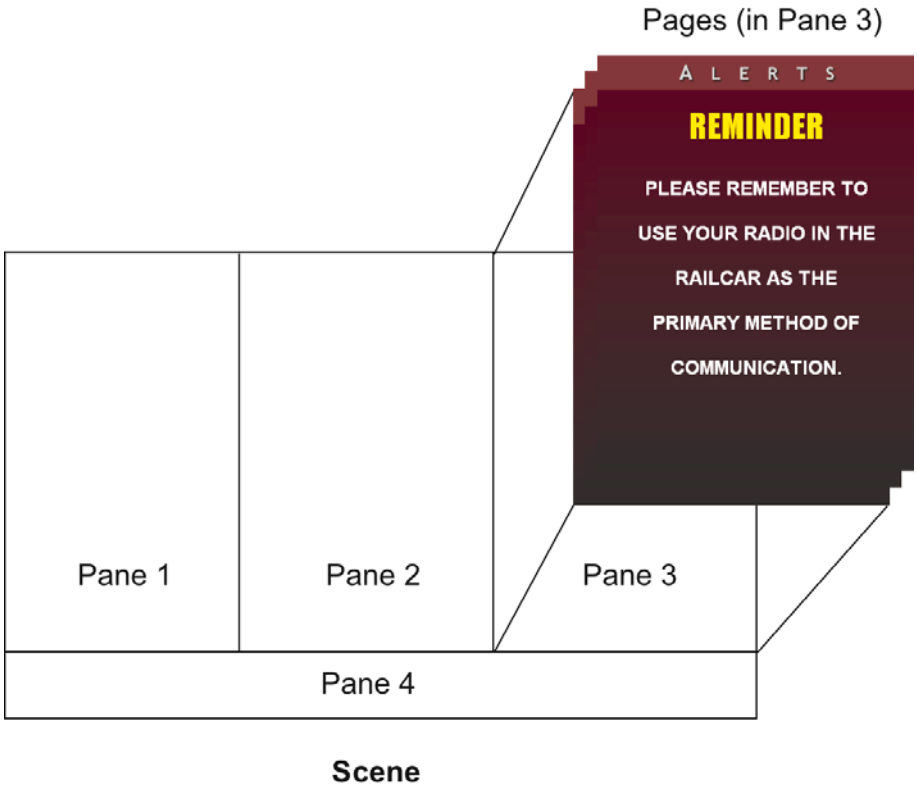
Panes

Each scene is divided into Panes. You can choose among the many Pane Layouts to find the one that best displays your content. Panes are comprised of one or more pages.



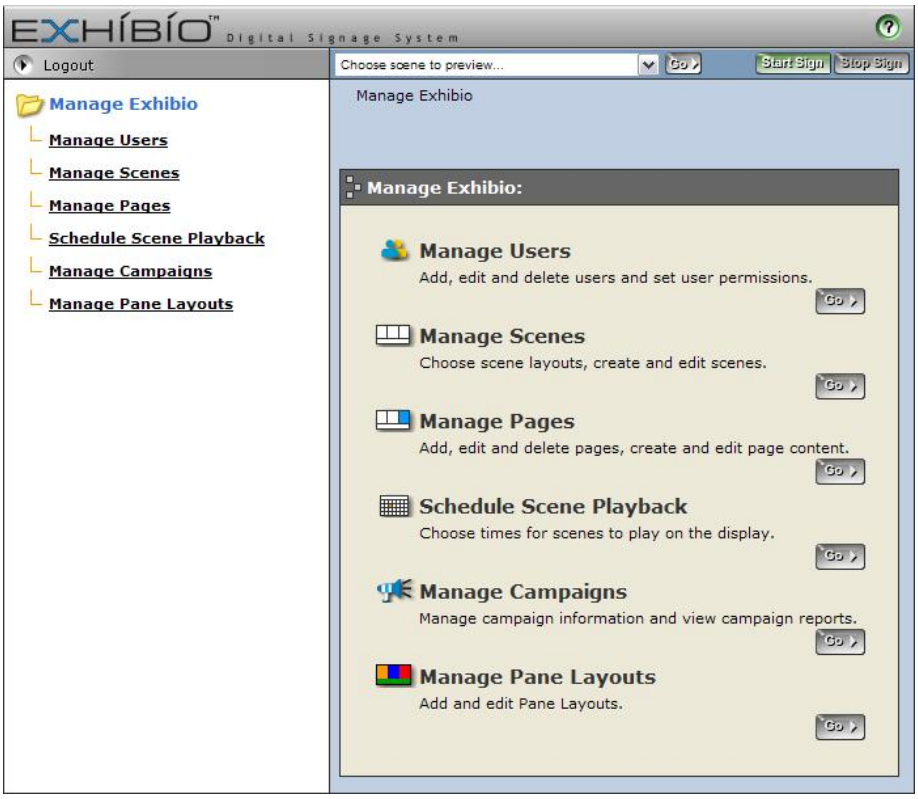
Pages

A Page is the actual sign content. You can create different Pages within a Pane, and the system will continuously cycle through them in a loop. Each page has its own distinct content.



Main Page

The first screen to appear after logging into the Exhibio Manager is shown below. This is the Main Page of the Exhibio Manager, where everything can be controlled.

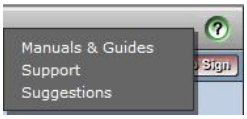


The very left portion of the page contains a static menu which is shown in most windows. The menu allows you to easily navigate from area to area.

The center section is the dynamic section which changes based on your task.

Towards the top, 'Choose scene to preview….' is always available for you to preview your scene.

The button will bring up a small drop down menu, as illustrated to the right.



If you click on 'Manuals & Guides', you will have access to the Exhibio Software Manual, Exhibio Hardware Manual, and the Adding ASP Scripts Guide. These are all in Adobe Reader Format (PDF).

The 'Support' option will direct you to the Exhibio Website for Support Contact Information.

The 'Suggestions' option will direct you to the Exhibio Website Suggestion area. If you have a feature suggestion for the Exhibio Digital Signage System, we would love to hear about it.

MANAGE USERS

The Exhibio Manager may include any number of authorized users who have access to parts or all of the system. Each user has an individual username and password as well as up to seven 'roles', which define what actions they can take.

User Roles

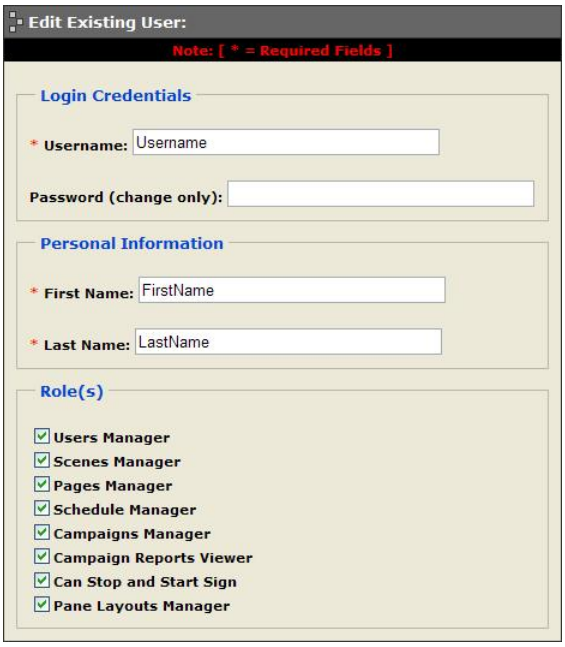
Listed Role	Allowed Functionality
User Manager	May add, edit, and delete users and their roles
Scenes Manager	May add, edit, clone, and delete scenes
Pages Manager	May add, edit, and delete pages
Schedule Manager	May add, edit, and delete scheduled scenes or playlists
Campaigns Manager	May add, edit, and delete accounts and campaigns
Campaign Reports Viewer	May view reports generated by the Exhibio Campaign Recorder
Can Stop and Start Sign	May stop or start the sign display remotely
Pane Layouts Manager	May create new, download existing, or upload new panes

Adding a New User

1. Click the 'Manage Users' link in the main menu, or click Go directly below 'Manage Users'.
2. Click the Go button directly below 'Add New User'.
3. Complete all required fields in the 'Login Credentials,' 'Personal Information,' and 'Roles' field sets.
4. Click the Save button.

Edit an Existing User

1. Click the 'Manage Users' link on the main menu, or click Go directly below 'Manage Users'.
2. From the drop-down menu, select the user you wish to edit, and then click the Go button directly below 'Edit Existing User'.
3. Edit the user's information and click the Save button.
4. If you would like to delete the user you have selected instead of editing their information, click on the Delete button.



MANAGING SCENES

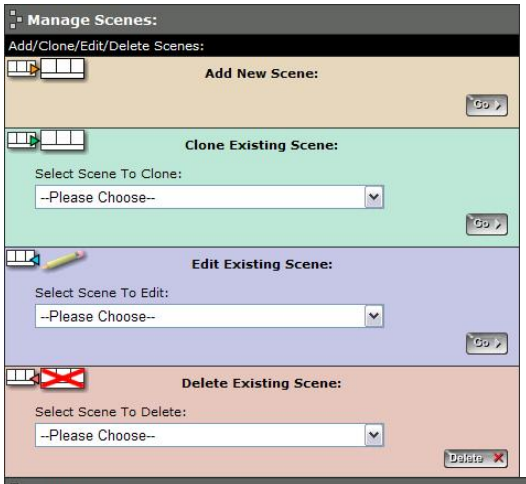
Adding a New Scene

To create a scene, you may use one of two approaches:

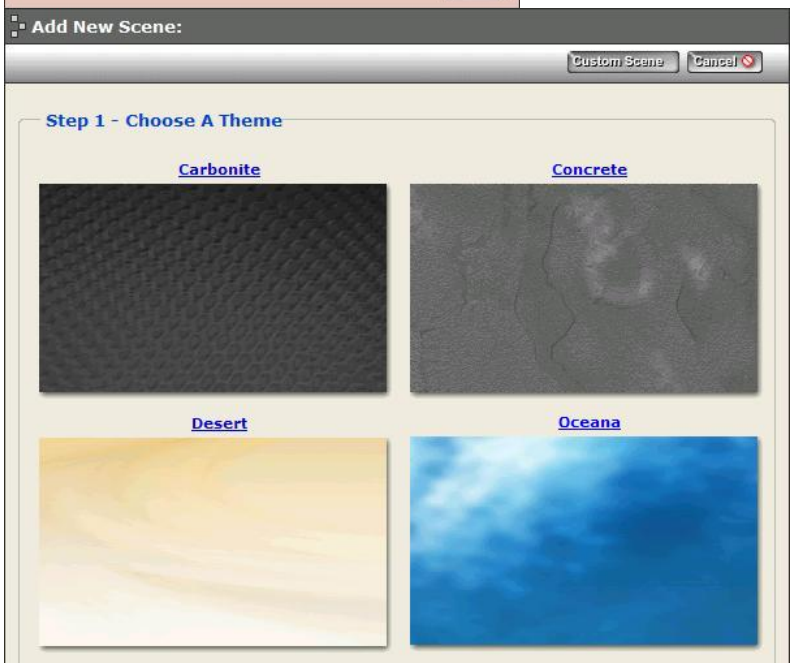
1. Use a built-in 'Theme' with a pre-designed template supplied by the system. This template includes a background image and default settings for fonts and margins.
2. Create your own 'Custom' scene, which allows you to add your own backgrounds, customize fonts, and margins.

Using a Theme

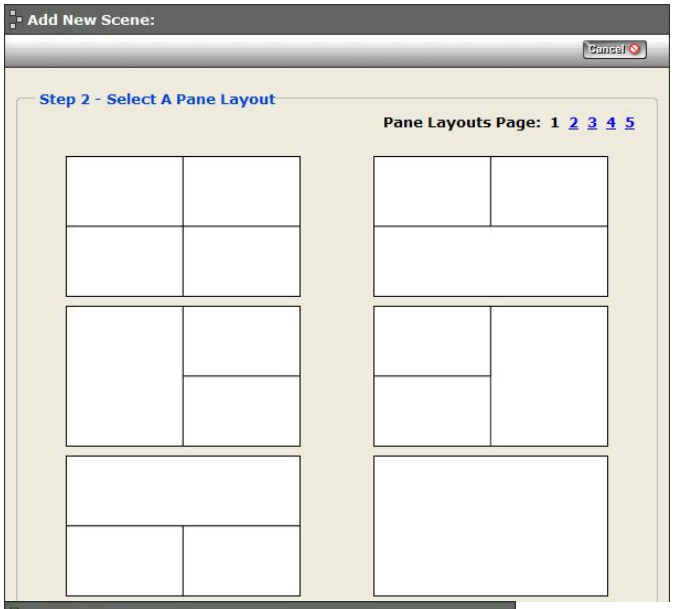
1. Click the 'Manage Scenes' link on the main menu, or click Go directly under the 'Manage Scenes' section.
2. Click on the Go button directly under the 'Add New Scene' section.



3. Choose a theme by clicking on the background of the theme. It will automatically go to the next page.

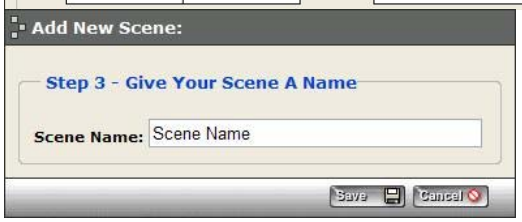


4. Select a pane layout by clicking on the one you wish to use. It will automatically go to the next page.



5. Give your scene a name, and then click on the Save button.

   If you don't want to add this scene, click on the Cancel button.

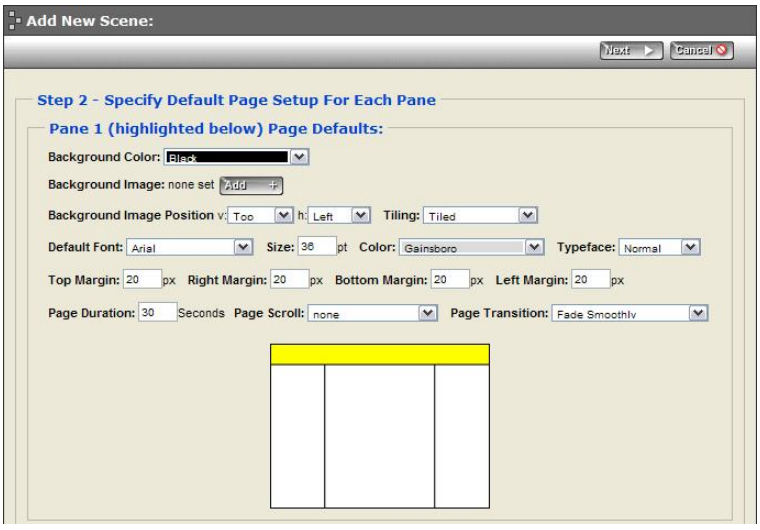


Using a Custom Scene

1. Click the 'Manage Scenes' link on the main menu, or click Go directly under the 'Manage Scenes' section.
2. Click on the Go button directly under the 'Add New Scene' section.
3. Click the Custom Scene button underneath 'Add New Scene'.
4. Select a pane layout by clicking on the one you wish to use. It will automatically go to the next page.

5. Specify a default page setup for each pane within the layout. You can select a custom background color, background image and position, default font (family, size, color, and style), margins, page duration, page scroll, and page transition for each page in your pane layout.

   Once you have finished selecting all the options you'd like in your pages, click the Next button at the top or bottom of the 'Add New Scene' content on the right.


Add New Scene:
Next
Cancel
Step 2 - Specify Default Page Setup For Each Pane
Pane 1 (highlighted below) Page Defaults:
Background Color: Black
Background Image: none set Add
Background Image Position v: Top h: Left Tiling: Tiled
Default Font: Arial Size: 36 pt Color: Gainsboro Typeface: Normal
Top Margin: 20 px Right Margin: 20 px Bottom Margin: 20 px Left Margin: 20 px
Page Duration: 30 Seconds Page Scroll: none Page Transition: Fade Smoothly

Tip *If you use a custom background, the easiest way to make it look 'seamless' is to create a single image that is the exact pixel dimensions of your entire sign's resolution setting. Then, upload that same image into each pane and use the 'Background Image Position' menus to 'push' the image into the corners. For example, for a pane which is aligned upper-left, align your background image 'Top' and 'Left'. Keep uploading the same background image into each pane and set the position appropriately for the pane's position.*

Cloning an Existing Scene

1. Either click on the 'Manage Scenes' link on the main menu on the left, or click on the Go button directly below the 'Manage Scenes' section.
2. Select the scene that you want to clone from the drop-down menu, and then click on the Go button directly below the 'Clone Existing Scene' section of the 'Manage Scenes' content on the right.
3. Give your cloned scene a name and click the Save button.

Important *Scenes that have been created in a different resolution or orientation can NOT be cloned.*
Note *The drop-down menu contains a list of all Scenes on all Exhibios in the group. Though you can clone a scene from any Exhibio, the cloned Scene will be saved on the Exhibio System you are currently logged into.*

Editing an Existing Scene

1. Click the 'Manage Scenes' link in the main menu, or click the Go button directly below the 'Manage Scenes' section.
2. Select the scene you want to edit from the drop-down selection box, and then click the Go button directly below 'Edit Existing Scenes'.
3. Select your pane layout by clicking on the layout you wish to use. It will automatically go to the next page. If you choose a pane layout other than the highlighted one, the content in all the pages of your scene will be deleted.
4. Specify a default page setup for each pane within the layout you just chose. You can select a custom background color, background image and position, default font (family, size, color, and style), margins, page duration, page scroll, and page transition for each page in your pane layout. Then click on the Next button. These changes will only apply to new pages that you create after editing your scene.
5. Give your edited scene a name and click the Save button.

Important *Scenes that have been created in a different resolution or orientation can NOT be edited.*

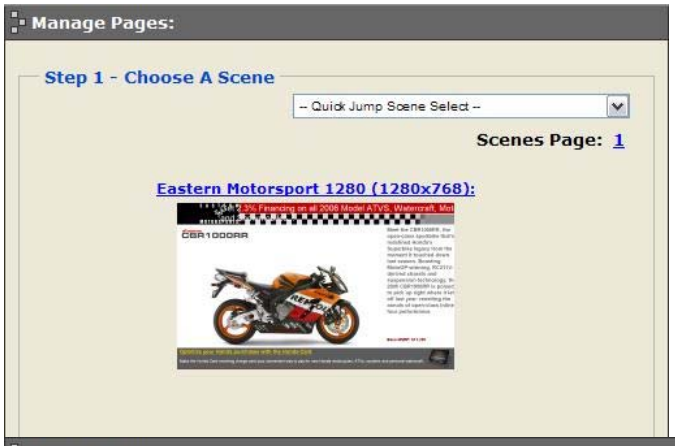
Deleting an Existing Scene

1. Click on 'Manage Scenes' link in the main menu, or click on Go directly below 'Manage Scenes'.
2. Select the scene that you want to delete from the drop-down selection box, and then click on the Delete button.
3. Press 'OK' if you are sure that you want to delete the selected scene. If you are not sure, press 'Cancel'.

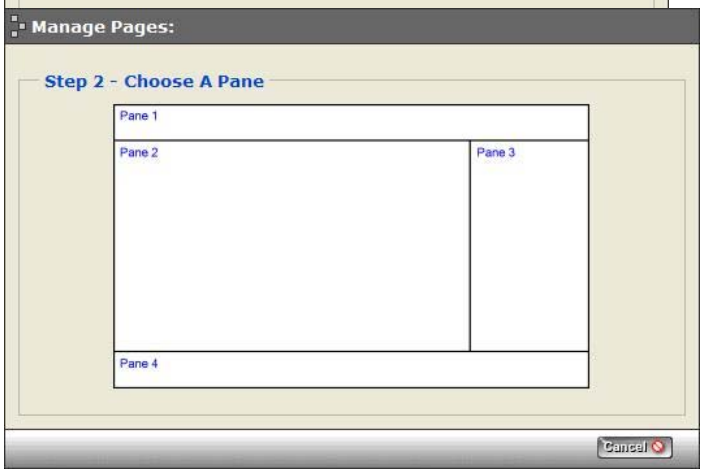
MANAGE PAGES

Scene Selection

1. Click on 'Manage Pages' link in the main menu or click on the Go button directly below 'Manage Pages'.
2. Each page will load a thumbnail index of scenes, 10 scenes listed per page. You will initially see blue clockwise animated circles which eventually change to thumbnail screenshots of the scenes (it takes a couple seconds to snap the screenshots).
3. Browse through your scenes until you find the one you wish to change the content of. Choose the scene you want to work on by clicking on its thumbnail or name. If you know the name of your scene, you can use the 'Quick Jump Scene Select' combo box towards the top right. The scenes will be listed in alphabetical order, and will be listed on sequential pages if you have more than ten (10) scenes.



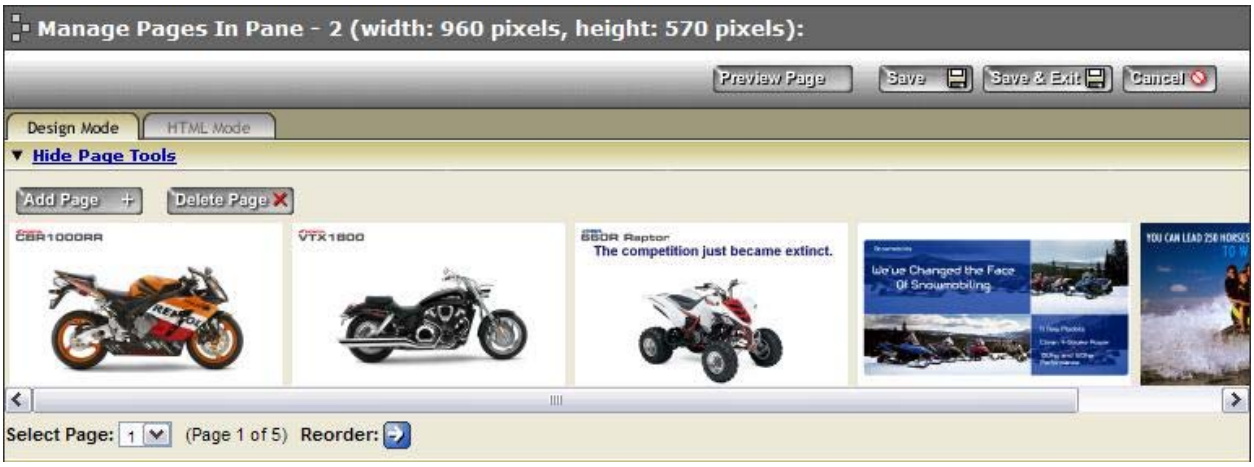
4. Choose the pane you want to work on by clicking inside its boundaries in the pane layout diagram (shown on the right).



Design Mode

Page Tools

By default, the Page Tools are visible. To hide the page tools, click on 'Hide Page Tools'.



Add a Page

To add page to this pane, click on the Add Page button. This will add a new page to this pane using the 'Page Defaults' and 'Background Image' specified when you first created or last edited the scene.

Delete a Page

To delete a page from this pane, first select the page you wish to delete from the 'Select page' drop-down menu. Then click on the Delete Page button.

Select a Page

To select a page to work on, choose the page from the 'Select Page' drop-down menu or click on its thumbnail image. The canvas area below will change to the page you wish to work on.

Reorder Page

To change the order in which the pages are displayed in the pane, use the to move it before by one, or use the to move it after by one.

Campaign Settings

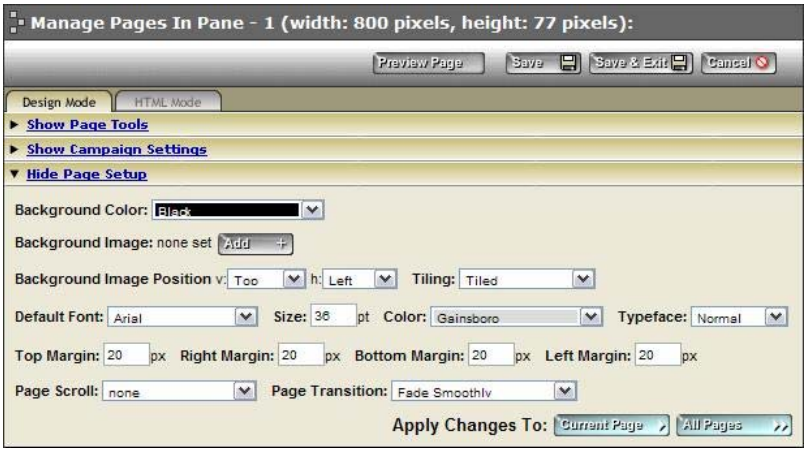
The procedure for adding a Campaign and Account is shown on page 39.

Page Setup

By default, the Page Setup will be hidden. To show the Page Setup options, click on 'Show Page Setup'.

Background

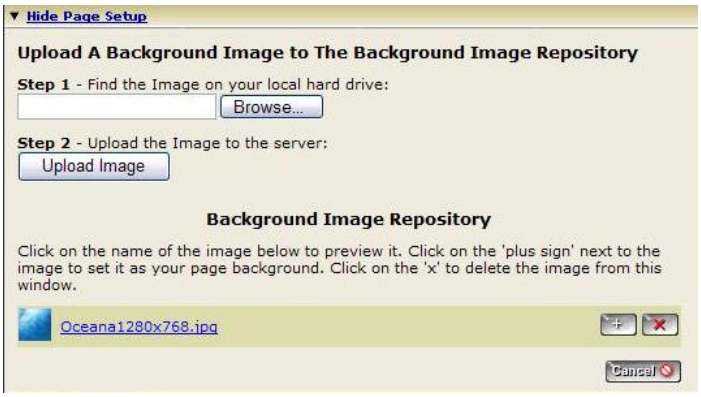
Background color, image position, and tiling are controlled by their corresponding drop-down menus.



Changing the Background Image

Unless you have created a custom scene, you scene will have a background image already in place on the page. Its name will be displayed immediately after the 'Background Image:' label.

Changing or adding a background image is accomplished by clicking on either the Change button or the Remove button. You will then see the current background image repository, and the image browsing and uploading utility.


Hide Page Setup
Upload A Background Image to The Background Image Repository
Step 1 - Find the Image on your local hard drive:
Browse...
Step 2 - Upload the Image to the server:
Upload Image
Background Image Repository
Click on the name of the image below to preview it. Click on the 'plus sign' next to the image to set it as your page background. Click on the 'x' to delete the image from this window.
Oceana1280x768.jpg
Cancel

If the image you want to add is not in the current image repository, click the 'Browse' button and select it from its current location. Once the location of the image appears in the textbox to the left of the 'Browse' button, click on the 'Upload Image' button.

To use an image listed in the repository as the page background, click the + button.

If you want to delete an image from the repository, click the ✕ button.

Font

The default font, color, and style (typeface) settings are controlled by their corresponding drop-down menus. To change the font size, click in the textbox and type in the number of points.

Margin

Each of the margin attributes are controlled by selecting the textbox next to the margin title and typing in the number of pixels.

Page Scroll

All page scrolling attributes are controlled by their corresponding drop-down menus.

Page Transition

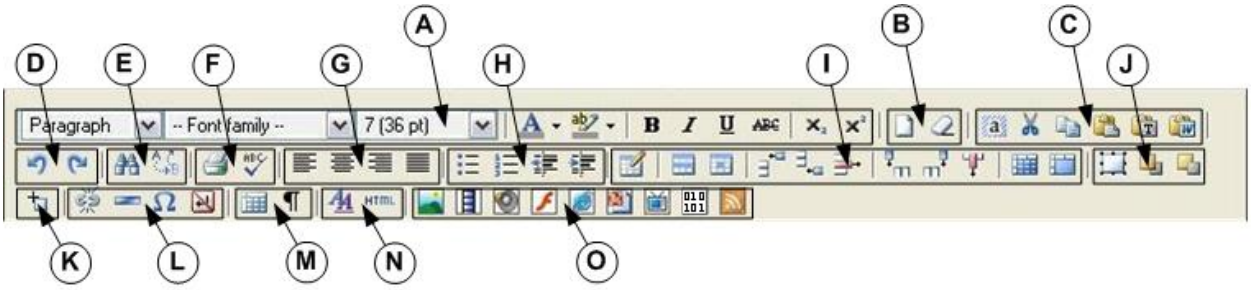
Selecting a different page transition will change the 'bring in' transition of the current page.

Applying your changes

Apply your changes to the current page or to all the pages in the pane by clicking Current Page or All Pages. If you apply the changes to all pages within the pane, ALL current attributes will be copied onto all of the pages. Individual attributes cannot be applied to all pages.

Editing Tools

By Default, the Editing Tools are visible. To hide the Editing Tools, click on 'Hide Editing Tools'.



A. Font Toolbar

Add text by placing your cursor into the page canvas area and start typing. To format a block of text, select it and use the Font section of the 'Editing Toolbar' to change its attributes. When text is selected for editing, the toolbar items will change to reflect its current attributes. The text highlighting tool puts a background color floor behind a selection of text. To remove the background color, click the 'Remove Formatting' toolbar item. This will allow you to change your text color. Clicking on the small arrow gives you a popup list of colors to choose from.

B. Clear Formatting / Clear Content

The button will remove all content from the canvas.

The button will remove all formatting that exists on the canvas. To use this, highlight the item or object you wish to remove the associated formatting, and click on the button. It will then reset that highlighted object back to the default format.

C. Cut / Paste / Copy

The button will select all content/objects in the canvas.

The button will cut a highlighted object, or set of highlighted objects, for instance, text, images, or any other object that you have highlighted in the canvas.

The button will copy a highlighted object, or set of highlighted objects, for instance, text, images, or any other object that you have highlighted in the canvas.

The button will paste any content you have placed in the Editor Clipboard by cutting or copying content from within the Exhibio Canvas.

The button will paste in any plain text from any source. This will not work with rich text editors, such as Microsoft Word, or Word Pad. If you copy text in from those sources, the styling of the content will be stripped, and it will be inserted as plain text.

The button will paste in any rich text, for instance, from Microsoft Word or Word Pad.

D. *Undo / Redo*

The button will undo the last change you made to the canvas.
The button will redo the last change you made to the canvas.

E. *Find / Replace*

The button will open a small new window, where you can search for specified text in the canvas.
The button will open a small new window, where you can search for specified text in the canvas, and replace it with different text.

F. *Print / Spell Checker*

The button will print the current page on your screen.
The button runs a spell checker on all of the text available in the canvas.

G. *Content Alignment*

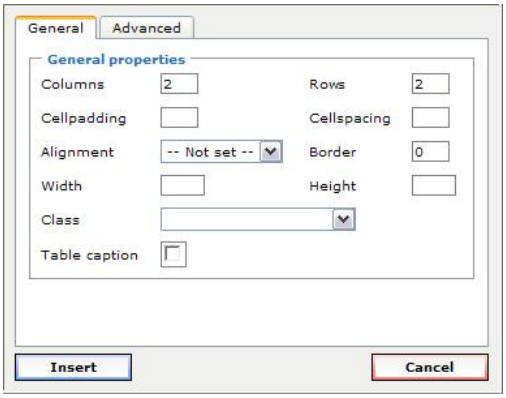
The buttons will align content left, center, right, or justify, respectively.

H. *Ordered List / Indenting*

The button will create a bulleted ordered list.
The button will create a numbered ordered list.
The button will indent to the left.
The button will indent to the right.

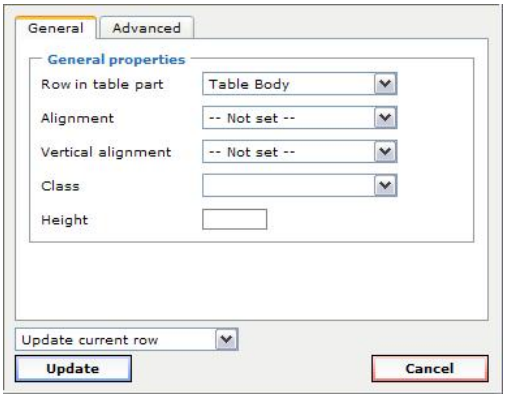
I. *Tables*

The will pop up a small window requesting information about the new table you wish to add. You can change the number of columns, number of rows, cell padding, cell spacing, alignment, border, width, and assign it to a style class. For more advanced options, click on the 'Advanced' tab. When you are finished adjusting the new table settings, click on the 'Insert' button.

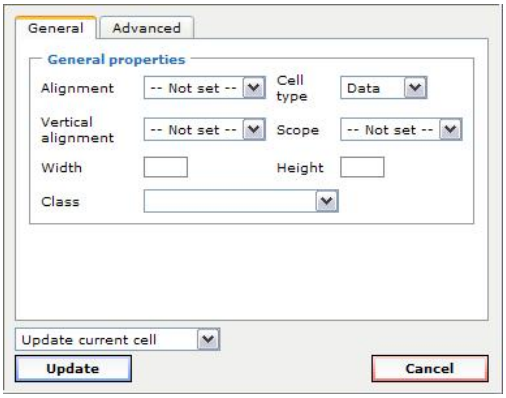


Once the table is added, it will be inserted into the canvas, like the figure to the right. You can click on any of the corners to increase/decrease the size of the table.

The button brings up the settings for the rows of the table. You may change the row in the table part to 'Table Body', 'Table Head' or 'Table Foot'. You may change the alignment to 'Left', 'Right', or 'Center' which will change where the text/object is aligned horizontally within the row. You may change the vertical alignment to 'Top', 'Bottom', or 'Center' which will change where the text/object is aligned vertically within the row. You can assign it to a style class, and change the height. Lastly, you can commit these changes to the 'Current Row' (where your cursor currently resides inside the table) the 'Odd Rows', 'Even Rows', and 'All Rows'. For more advanced options, click on the 'Advanced' tab. When you are done adjusting the table settings, click on the 'Update' button.



The button brings up the settings for the cells in the table. Here you can change the alignment, vertical alignment, cell type, scope, width, height, and assign it to a style class. For more advanced options, click on the 'Advanced' tab. Then choose whether you want to update the 'current Cell', 'all cells in row', or 'all cells in table'. When you are done with adjusting the settings, click on the 'Update' button.



The button will insert a row above the currently selected cell.
The button will insert a row below the currently selected cell.
The button will delete the row in which the currently selected cell exists.
The button will insert a column to the left of the currently selected cell.
The button will insert a column to the right of the currently selected cell.
The button will delete the column in which the currently selected cell exists.
The button will split apart merged cells.
The button will merge selected cells together.

J. *Layers*

The will insert a layer into the canvas, like the image shown to the right. This is a free moving layer, and uses absolute positioning. You may drag this layer anywhere on the canvas. Once you have positioned your layer, you may add content into it. Also, you may put a layer on top of a layer. So if you would like to put text in front of a picture, just place a layer on top of the picture, and type the text.

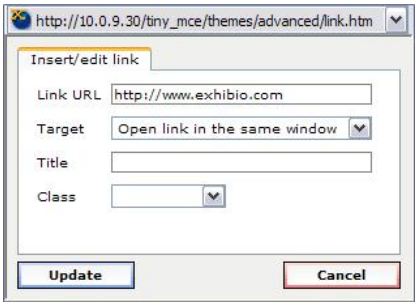
The button will bring the layer to the front.
The button will send the layer to the back.

K. *Absolute Positioning*

The button will toggle absolute positioning on or off.

L. *Links / Breaks*

The button will add a link to a selected object. Click on the object you wish to make a link, and a pop-up window will appear. Type in the URL, and leave the Target set to 'Open link in the same window'. You may enter in a title and a class. Then click on the 'Update' button.



The button will insert a horizontal rule in the canvas.

The button will insert a symbol into the canvas. When this button is selected, a pop-up window will appear with a table of symbols. Select the symbol you would like to use, and it will be dropped into the canvas.

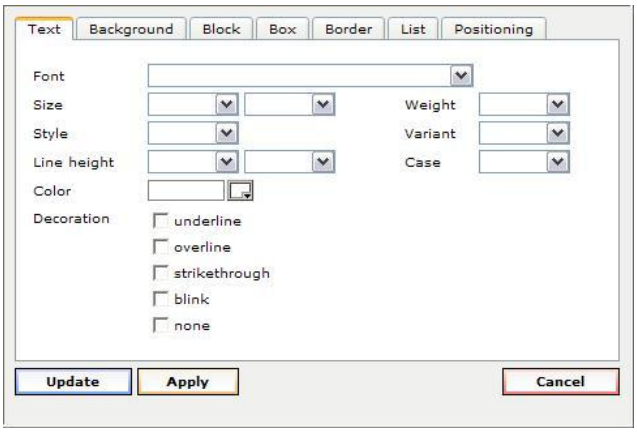
The button will insert a non-line breaking space into the canvas.

M. *Guidelines / Visual Controls*

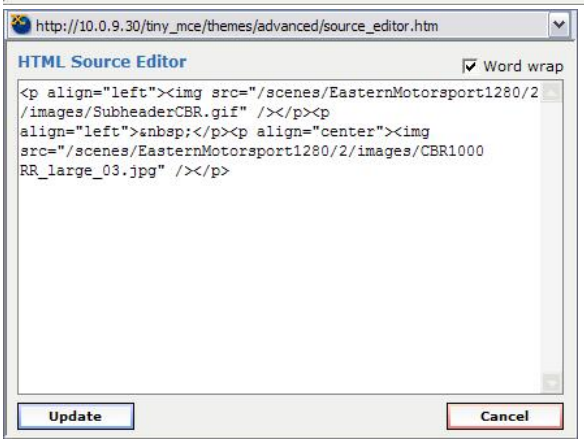
The button will toggle the guidelines and insivible elements on or off.
The ¶ button will toggle the visual control characters on or off.

N. CSS Styles / HTML

The button will allow you to custom style your own CSS. You may go through the options, and setup any custom styling you like. Click the 'Apply' button to see your changes in real-time. Click the 'Update' button when you're finished.



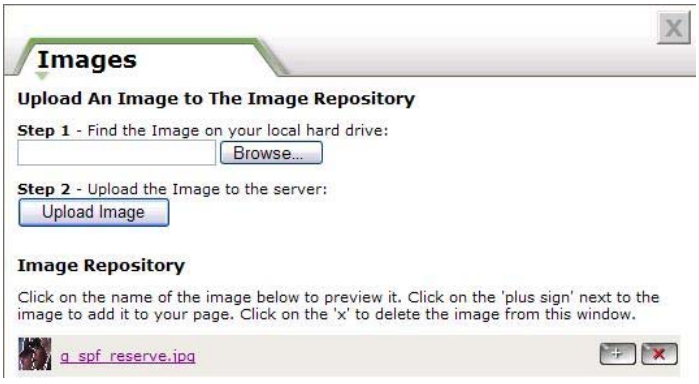
The HTML button will allow you to type or paste in your own HTML code. This includes scripting languages as well. Click the 'Update' button when you're done.



O. Adding Multimedia

Adding Images/Audio Clips

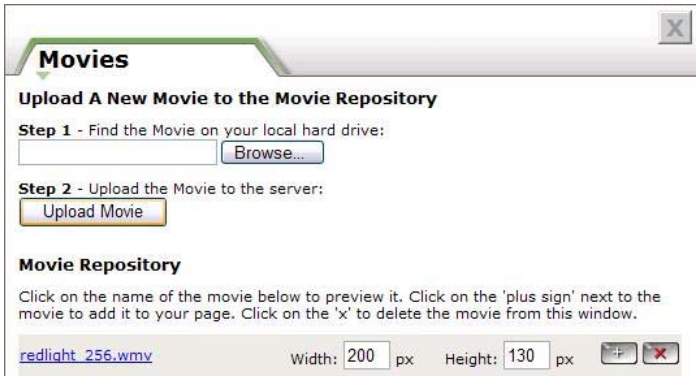
1. Click the or button.
2. Click the 'Browse' button to find the file you want to upload. When you have located the file, click on the file to select it, and press the 'Open' button to add it the upload queue.
3. Click the 'Upload Image' or 'Upload Sound' button to upload the file.
4. After the file is uploaded, you will see it appear in the image/audio repository. To add it to the page, click on the button or click the to permanently delete it from the repository.


Images
Upload An Image to The Image Repository
Step 1 - Find the Image on your local hard drive:
Browse...
Step 2 - Upload the Image to the server:
Upload Image
Image Repository
Click on the name of the image below to preview it. Click on the 'plus sign' next to the image to add it to your page. Click on the 'x' to delete the image from this window.
g_spf_reserve.jpg

Adding Movies/Flash Animations

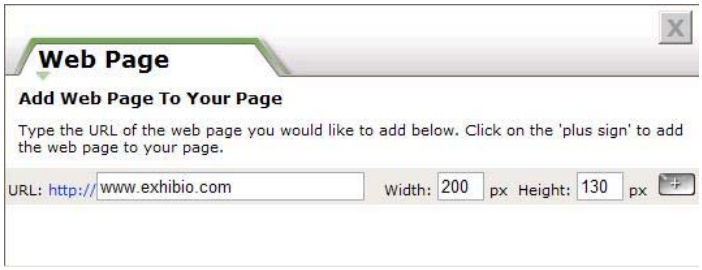
Click the or button.

The process for adding Movies and Flash animations is the same as adding images and Audio Clips; however, you may also specify the height and width of the movie or animation.


Movies
Upload A New Movie to the Movie Repository
Step 1 - Find the Movie on your local hard drive:
Browse...
Step 2 - Upload the Movie to the server:
Upload Movie
Movie Repository
Click on the name of the movie below to preview it. Click on the 'plus sign' next to the movie to add it to your page. Click on the 'x' to delete the movie from this window.
redlight_256.wmv
Width: 200 px
Height: 130 px

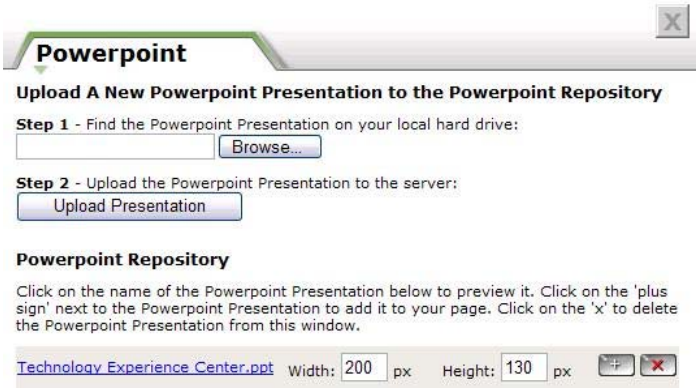
Adding a Web Page

1. Click on the button.
2. Type the URL of the web page you would like to add in the text field.
3. Enter the width and height that you want the web page to display at on the page.
4. When you are ready to add it to the page, click on the button.


Web Page
Add Web Page To Your Page
Type the URL of the web page you would like to add below. Click on the 'plus sign' to add the web page to your page.
URL: http://www.exhibio.com
Width: 200 px
Height: 130 px

Adding Power Point

1. To add Power Point, click on the button.
2. Click the 'Browse' button to find the file you want to upload. When you have located the file, click on the file to select it, and press the 'Open' button to add it the upload queue.
3. Click the 'Upload Presentation' button to upload the file.
4. After the file is uploaded, you will see it appear in the PowerPoint repository. To add it to the page, click on the button or click on the to delete it.

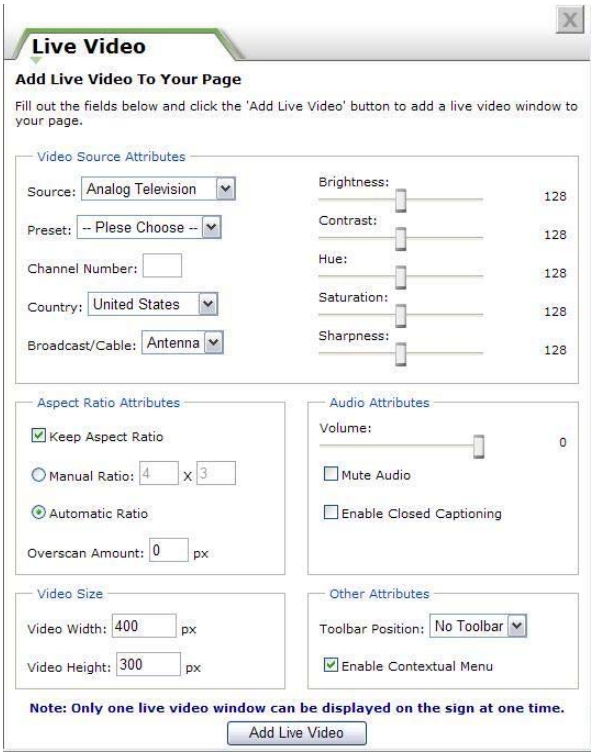

Powerpoint
Upload A New Powerpoint Presentation to the Powerpoint Repository
Step 1 - Find the Powerpoint Presentation on your local hard drive:
Browse...
Step 2 - Upload the Powerpoint Presentation to the server:
Upload Presentation
Powerpoint Repository
Click on the name of the Powerpoint Presentation below to preview it. Click on the 'plus sign' next to the Powerpoint Presentation to add it to your page. Click on the 'x' to delete the Powerpoint Presentation from this window.
Technology Experience Center.ppt
Width: 200 px
Height: 130 px

Adding Live TV, External Video, and DVD Playback

Before using Live Video, you need to setup your TV Tuner hardware (shown in the Exhibio Hardware Manual or Live Video Setup Guide) and enable Live Video in the Exhibio Setup Utility (shown at the beginning of this manual).

Note *Digital TV is only available if you have the Hauppauge HVR-950 tuner device and live video decoders installed. Playback from the internal DVD player requires installing special DVD decoders (in addition to an internal DVD drive).*

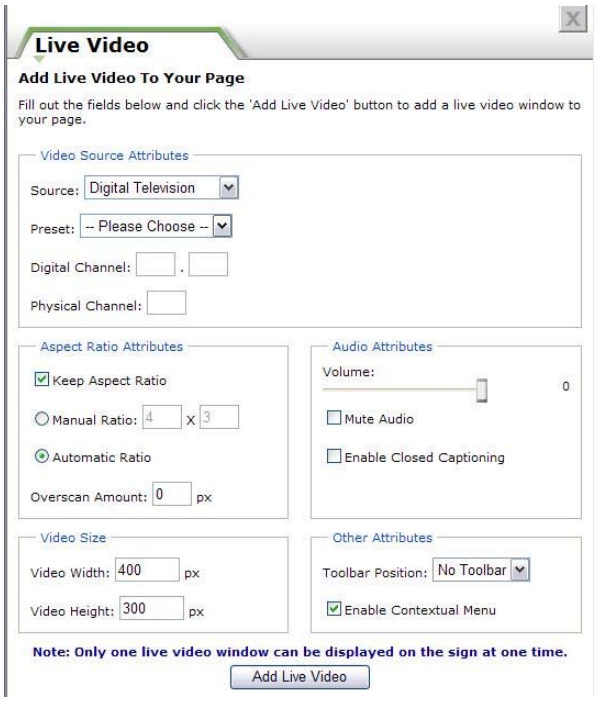
1. To add external video, click on the button. Here you can select between the following video sources: Analog TV, Digital TV, Composite Video Input, S-Video Input, or Internal DVD Player.



Analog Television

2. Provided you've scanned for channels in the Exhibio Setup Wizard, you can select from a drop down of Preset channels. Also, you can type in the channel number in the provided text box. Further, you can adjust the Brightness, Contrast, Hue, Saturation, and Sharpness. The default set is 128 for each.
3. You can change the aspect ratio to a custom configuration, or select Automatic. Also, you can change the overscan amount.
4. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can mute the Audio and enable Closed Captioning.
5. Change the width and height that you would like the video to display in the page.
6. If you plan on having a mouse normally plugged into your Exhibio, you can opt to show a toolbar on the TV for direct control of the channel. Also, you can allow a contextual menu, where you can right click on the TV feed (only visible on the digital sign) and change all of the attributes discussed above.

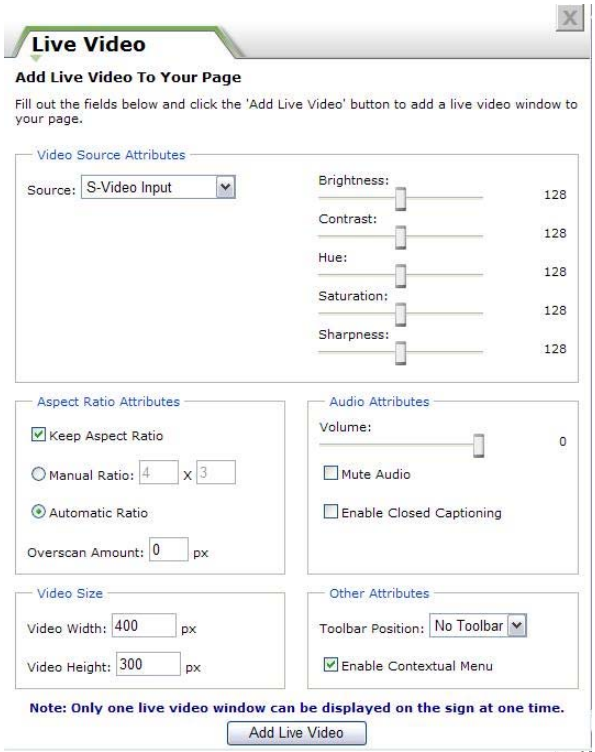
Digital Television


Live Video
Add Live Video To Your Page
Fill out the fields below and click the 'Add Live Video' button to add a live video window to your page.
Video Source Attributes
Source: Digital Television
Preset: -- Please Choose --
Digital Channel: .
Physical Channel:
Aspect Ratio Attributes
Keep Aspect Ratio
Manual Ratio: 4 x 3
Automatic Ratio
Overscan Amount: 0 px
Audio Attributes
Volume: 0
Mute Audio
Enable Closed Captioning
Video Size
Video Width: 400 px
Video Height: 300 px
Other Attributes
Toolbar Position: No Toolbar
Enable Contextual Menu
Note: Only one live video window can be displayed on the sign at one time.
Add Live Video

2. Provided you've scanned for channels in the Exhibio Setup Wizard, you can select from a drop down of Preset channels. Also, you can type in the channel numbers in the provided text boxes.
3. You can change the aspect ratio to a custom configuration, or select Automatic. Also, you can change the overscan amount.
4. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can mute the Audio and enable Closed Captioning.
5. Change the width and height that you would like the video to display in the page.
6. If you plan on having a mouse normally plugged into your Exhibio, you can opt to show a toolbar on the TV for direct control of the channel. Also, you can allow a contextual menu, where you can right click on the TV feed (only visible on the digital sign) and change all of the attributes discussed above.

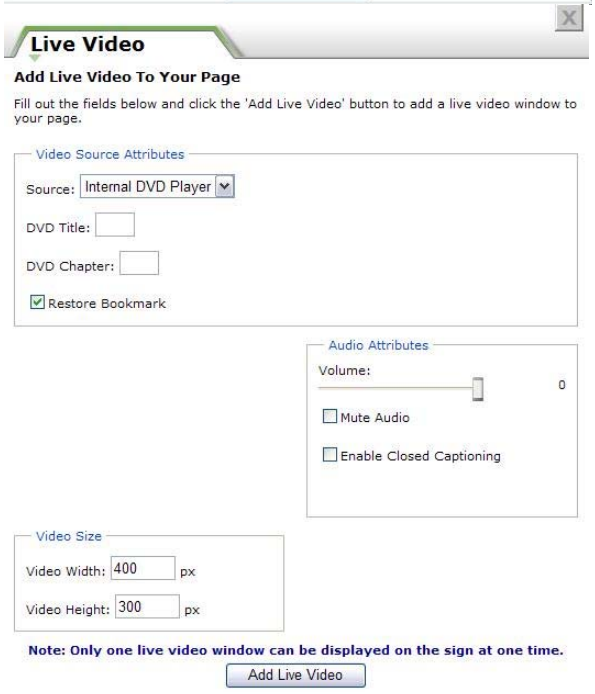
Composite or S-Video Input

2. Adjust the Brightness, Contrast, Hue, Saturation, and Sharpness. The default set is 128 for each.
3. You can change the aspect ratio to a custom configuration, or select Automatic. Also, you can change the overscan amount.
4. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can mute the Audio and enable Closed Captioning.
5. Change the width and height that you would like the video to display in the page.
6. If you plan on having a mouse normally plugged into your computer, you can opt to show a Live Video toolbar. Also, you can allow a contextual menu, where you can right click on the Video feed (only visible on the digital sign) and change all of the attributes discussed above.


Live Video
Add Live Video To Your Page
Fill out the fields below and click the 'Add Live Video' button to add a live video window to your page.
Video Source Attributes
Source: S-Video Input
Brightness: 128
Contrast: 128
Hue: 128
Saturation: 128
Sharpness: 128
Aspect Ratio Attributes
Keep Aspect Ratio
Manual Ratio: 4 x 3
Automatic Ratio
Overscan Amount: 0 px
Audio Attributes
Volume: 0
Mute Audio
Enable Closed Captioning
Video Size
Video Width: 400 px
Video Height: 300 px
Other Attributes
Toolbar Position: No Toolbar
Enable Contextual Menu
Note: Only one live video window can be displayed on the sign at one time.
Add Live Video

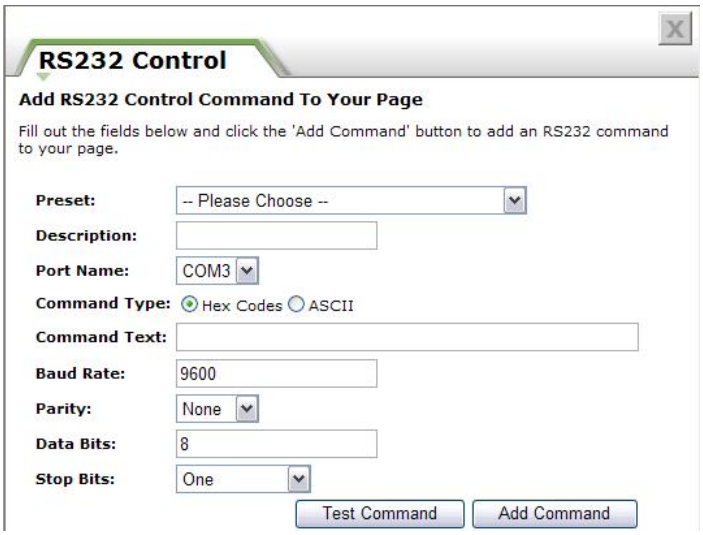
Internal DVD Player

2. Insert a DVD into the Exhibio Hardware Unit's DVD drive.
3. Enter the title and chapter that you would like the DVD playback to start at.
4. If you are planning on placing in more than one page into the pane, and would like to have the DVD start, pause, and then start again when the page comes up, check 'Restore Bookmark'.
   If you are planning on displaying the DVD in the page in its entirety, then make sure you know the duration of the DVD, and change the page duration respectively.


Live Video
Add Live Video To Your Page
Fill out the fields below and click the 'Add Live Video' button to add a live video window to your page.
Video Source Attributes
Source: Internal DVD Player
DVD Title:
DVD Chapter:
Restore Bookmark
Audio Attributes
Volume: 0
Mute Audio
Enable Closed Captioning
Video Size
Video Width: 400 px
Video Height: 300 px
Note: Only one live video window can be displayed on the sign at one time.
Add Live Video

Adding RS232 Commands

1. To add an RS232 Command, you can use one of the commands in the 'Preset' drop down menu.
2. Alternately you can create your own command from scratch. First type in the Description of the new command. Then fill in the form with each attribute of the command. Click on 'Test Command' to see if it works on your display(s).
3. Then click on the 'Add Command' button to add it to the page.
4. Each time this page displayed on the sign, it will run this RS232 command.

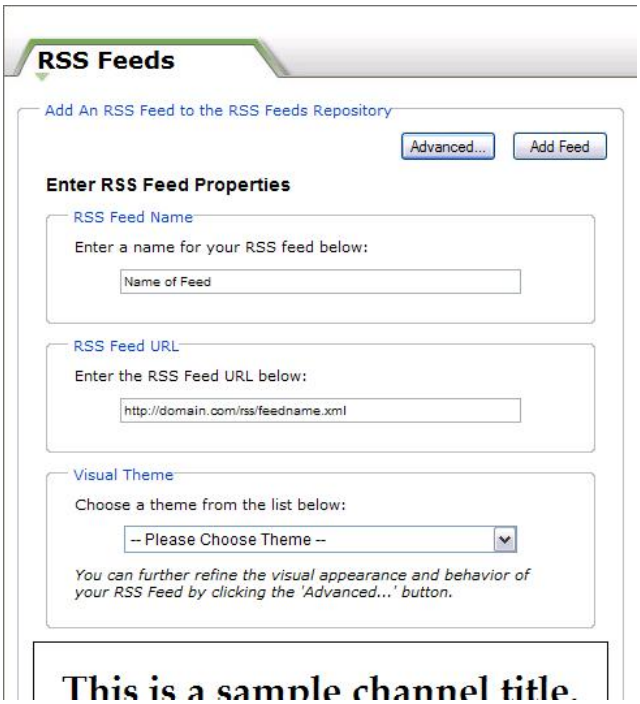


Tip If you would like to add your own preset RS232 commands, you can do so by editing the following file: 'C:\Program Files\Exhibio\ExhibioSettings\rs232Commands.xml'.

Adding RSS/XML Feed

1. To add an RSS feed, click on the button.
2. Enter in a name and URL for your RSS feed. If you are looking for RSS feeds on the Internet, then you can just search the Internet for "Free RSS Feeds" or something related to free RSS feeds.
3. Then select a 'Theme', and click on 'Add Feed'. If you would like to make more advanced changes to the formatting of the text, speed of scroll, formatting of the background, and what will be displayed, click on the 'Advanced…' button at the top.

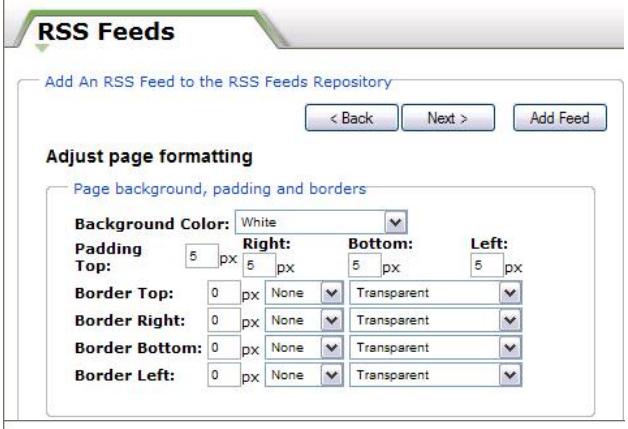
   If you want to add the feed as it is, click on the 'Add Feed' button at the top right, and skip to step 8.


RSS Feeds
Add An RSS Feed to the RSS Feeds Repository
Advanced...
Add Feed
Enter RSS Feed Properties
RSS Feed Name
Enter a name for your RSS feed below:
Name of Feed
RSS Feed URL
Enter the RSS Feed URL below:
http://domain.com/rss/feedname.xml
Visual Theme
Choose a theme from the list below:
-- Please Choose Theme --
You can further refine the visual appearance and behavior of your RSS Feed by clicking the 'Advanced...' button.
This is a sample channel title.

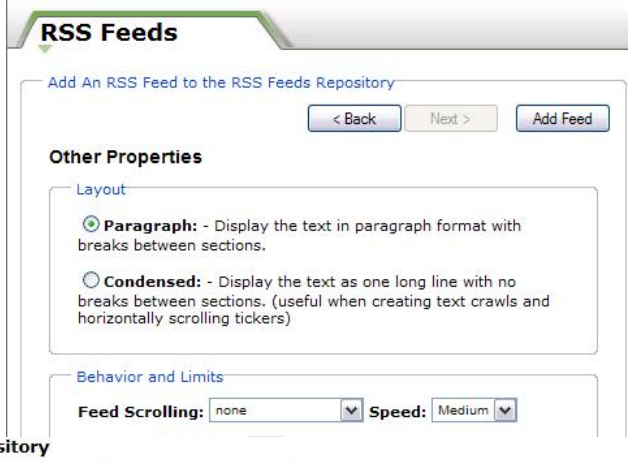
4. Here you can limit what will be displayed within the RSS feed. Place a check next to what you would like to show. Also, click on 'Show/hide properties' to change the font (family, size, color, typeface), background color, margins, border thickness and color.
5. Then, click on 'Next'.

RSS Feeds
Add An RSS Feed to the RSS Feeds Repository
< Back
Next >
Add Feed
Adjust text formatting
Show Channel Title show/hide properties
Show Channel Description show/hide properties
Show Item Title show/hide properties
Show Item Date show/hide properties
Show Item Author show/hide properties
Show Item Subject show/hide properties
Show Item Description show/hide properties

6. You can change the background color, cell padding, and borders. Click 'Next' for further options.


RSS Feeds
Add An RSS Feed to the RSS Feeds Repository
< Back
Next >
Add Feed
Adjust page formatting
Page background, padding and borders
Background Color: White
Padding Top: 5 px
Right: 5 px
Bottom: 5 px
Left: 5 px
Border Top: 0 px None Transparent
Border Right: 0 px None Transparent
Border Bottom: 0 px None Transparent
Border Left: 0 px None Transparent

7. Set the feed layout to be paragraph or condensed. You can also change the speed of the scroll, when it will be updated, number of items per page, page duration, number of items, max character limit, display of images, and the presence of HTML markup. Then, click on the 'Add Feed' button.


RSS Feeds
Add An RSS Feed to the RSS Feeds Repository
< Back
Next >
Add Feed
Other Properties
Layout
Paragraph: - Display the text in paragraph format with breaks between sections.
Condensed: - Display the text as one long line with no breaks between sections. (useful when creating text crawls and horizontally scrolling tickers)
Behavior and Limits
Feed Scrolling: none
Speed: Medium

8. Change the feed width and height. Then click the button to add the RSS feed to your page.

RSS Feeds Repository
Click on the name of the RSS Feed below to preview it. Click on the 'plus sign' next to the RSS Feed to add it to your page. Click on the pencil icon to edit the RSS Feed. Click on the 'x' to delete the RSS Feed from this window.
Name of Feed
Width: 640 px
Height: 480 px

Canvas Editing

The Canvas is embedded with many right click features, making editing or changing properties quick and easy.

Canvas Options

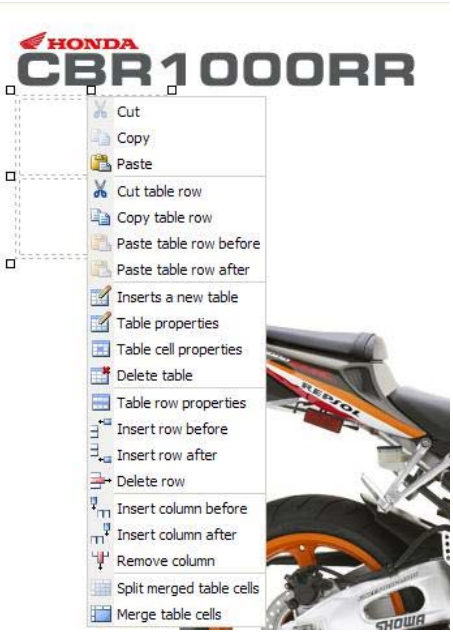
If you right click anywhere on the canvas, you will receive the following contextual menu. From here, you can 'Cut', 'Copy', 'Paste', and 'Insert a new table'.

Image Options

If you right click anywhere on an image, you will receive the following contextual menu. From here, you can 'Cut', 'Copy', Paste', 'Insert/edit link', 'Unlink', and pull up advanced image properties.

Table Options

If you right click anywhere on a table, you will receive the following contextual menu. From here, you can 'Cut', 'Copy', Paste', 'Cut table row', 'Copy Table Row', 'Paste table row before', 'Paste table row after', 'Insert a new table', adjust 'Table Properties', adjust 'Table cell properties', 'Delete table', adjust 'Table row properties', 'Insert row before', 'Insert row after', 'Delete row', 'Insert column before', 'Insert column after', 'Remove column', 'Split merged table cells', and 'Merge table cells.' Every attribute of editing the table properties may be managed by right clicking right on the table.



HTML Mode

The Page Editor can also be used in 'HTML Mode' allowing you to insert your own custom HTML code. From the top of the Page Management Area, you can click on the 'HTML Mode' tab. This will remove all of the editing tools, and replace the editing canvas with a large text area. Here you can copy and paste in your own code. You can also type your own code directly into this text area.

SCHEDULING SCENE PLAYBACK

The Exhibio built-in scheduling feature allows you to schedule scenes to play at any time in the future. In order for a scene to be visible on the display, it must be scheduled. A scene can be scheduled to begin at any time (in one minute increments) and will play indefinitely until another scene is scheduled to take its place.
The Scheduler shows the days of the week and will automatically open to the current week. All scenes scheduled for the current week are shown. Each scheduled event can be edited or deleted by clicking the appropriate link in the schedule.

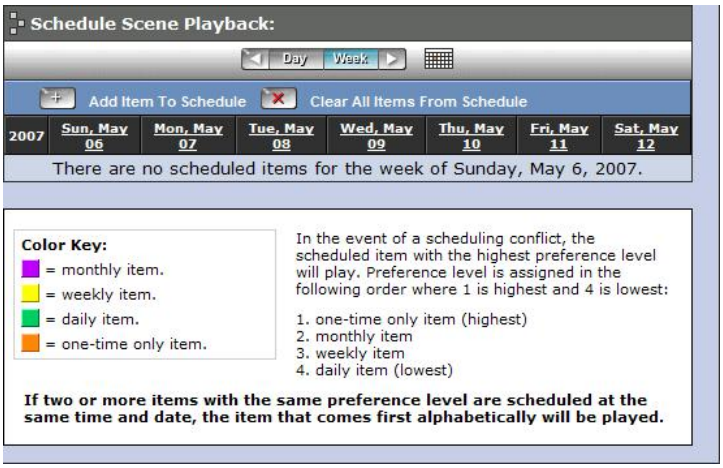
The Schedule

The schedule system offers two methods of scheduling. You can schedule a single scene or a playlist. A single scene will begin playing at a specified start time, and will continue playing until something else is scheduled to replace it. A Playlist is a series of scenes, each with its own duration, which play in a loop. Additionally, you can set the following repetition frequencies for your selected schedule type.

Frequency	Description
One Time Only	Schedules the scene once, as a 'one time only' event.
Daily	Check off Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and/or Saturday. It will only play back at the specified time on the specified day(s).
Weekly	Every 'X' week on whatever day within the week. Thus, you can do every 2 weeks on Wednesday.
Monthly	You may schedule one of the two types: • Every 'X' Months. For example, every 4 months. • The (First, Second, Third, Forth, Last), (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday) of 'X' month. For example, 'The First Tuesday of every 1 month'.

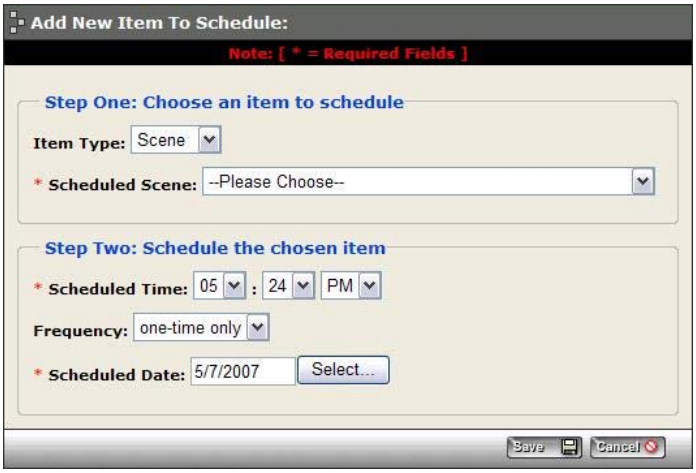
Scheduling a Scene

1. Click on 'Schedule Scene Playback' in the main menu or click the Go button directly under the 'Schedule Scene Playback' section.
2. Click on the day of the week that you want to schedule. You can switch between 'Day' and 'Week' view by clicking the 'Day' or 'Week' buttons at the top.
3. Click on + 'Add Item To Schedule' to start.
4. Next, schedule either a 'Scene' or 'Playlist'. Both procedures are described below.


Schedule Scene Playback:
Day
Week
Add Item To Schedule
Clear All Items From Schedule
2007
Sun, May 06
Mon, May 07
Tue, May 08
Wed, May 09
Thu, May 10
Fri, May 11
Sat, May 12
There are no scheduled items for the week of Sunday, May 6, 2007.
Color Key:
= monthly item.
= weekly item.
= daily item.
= one-time only item.
In the event of a scheduling conflict, the scheduled item with the highest preference level will play. Preference level is assigned in the following order where 1 is highest and 4 is lowest:
1. one-time only item (highest)
2. monthly item
3. weekly item
4. daily item (lowest)
If two or more items with the same preference level are scheduled at the same time and date, the item that comes first alphabetically will be played.

Item Type: Scene

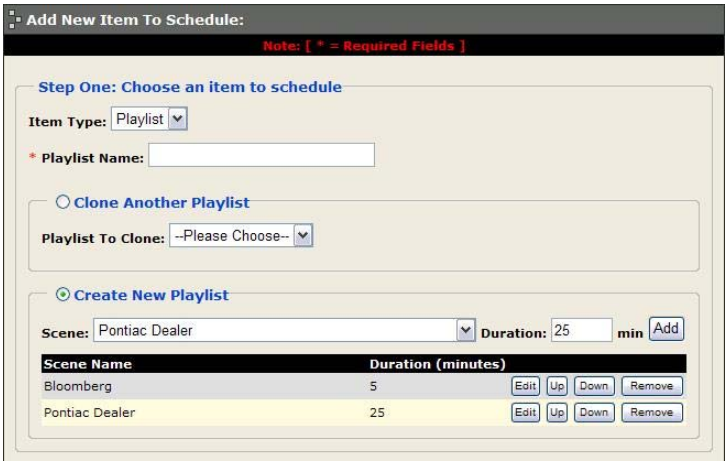
5. Select 'Scene' from the Item Type drop-down menu.
6. Select a scene from the 'Scheduled Scene' drop-down menu.
7. Select a scheduled time to start, frequency, and scheduled date.
8. Then, click on the Save button.


Add New Item To Schedule:
Note: [* = Required Fields]
Step One: Choose an item to schedule
Item Type: Scene
* Scheduled Scene: --Please Choose--
Step Two: Schedule the chosen item
* Scheduled Time: 05 : 24 PM
Frequency: one-time only
* Scheduled Date: 5/7/2007 Select...
Save
Cancel

Item Type: Playlist

5. Select 'Playlist' from the Item Type drop-down menu.
6. Type in a name for the playlist.
7. Clone an existing playlist from the system, or Create a New Playlist.

   For a new playlist, select a scene from the drop-down menu, then type in a duration (minimum of 2 minutes, in minute intervals). Then click on the 'Add' button. Keep adding you scenes until your playlist is complete.
8. Then, click on the Save button.


Add New Item To Schedule:
Note: [* = Required Fields]
Step One: Choose an item to schedule
Item Type: Playlist
* Playlist Name:
Clone Another Playlist
Playlist To Clone: --Please Choose--
Create New Playlist
Scene: Pontiac Dealer
Duration: 25 min Add
Scene Name
Duration (minutes)
Bloomberg 5 Edit Up Down Remove
Pontiac Dealer 25 Edit Up Down Remove

Your addition to the schedule will be placed in the main schedule area. It will be placed under the day, and to the right of the scheduled time.

Delete Scheduled Item

There are two ways to delete a scheduled item.

Delete Single Scene

1. From the schedule day or week view, find the item which you want to delete.
2. Click on the scheduled item.
3. On the bottom, click on the Delete button.
4. Click 'OK' to confirm the deletion.

Delete All Items

1. From the schedule view, click on the 'Clear All Items From Schedule' icon and click the 'OK' button to confirm the deletion.

MANAGE CAMPAIGNS

An Exhibio Campaign involves the creation and coordination of a series of advertisements around a particular theme to promote a product or service. The Exhibio Manager allows you to create advertising campaigns that can be associated with any page. These pages can serve as vehicles for delivering dynamic and easily created advertising content.

Campaigns

Add New Campaign

1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Click on the Go button directly under the 'Add New Campaign' section.
4. Type in the name of the campaign, description, and place this under an account, or create a new account.

Edit Existing Campaign

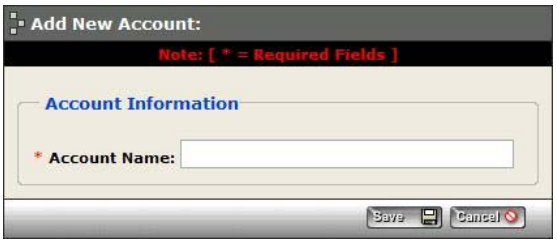
1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Under 'Edit Existing Campaign' choose the correct account in the drop-down menu, and then choose the campaign from the drop-down menu. Click on the Go button directly under the 'Edit Existing Campaign' section.
4. Change either the name of the campaign, description, and/or change the account this is under, or create a new account.

Delete Existing Campaign

1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Under 'Delete Existing Campaign' choose the correct account in the drop-down menu, and then choose the campaign from the drop-down menu. Click on the Delete button directly under the 'Edit Existing Campaign' section.
4. Click 'OK' to confirm the deletion.

Accounts

Add New Account



1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Click on the Go button directly under the 'Add New Account' section.
4. Type in the name of the account, and click on the Save button.

Edit Existing Account

1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Click on the Go button directly under the 'Edit Existing Account' section.
4. Change the name of the account, and click on the Save button.

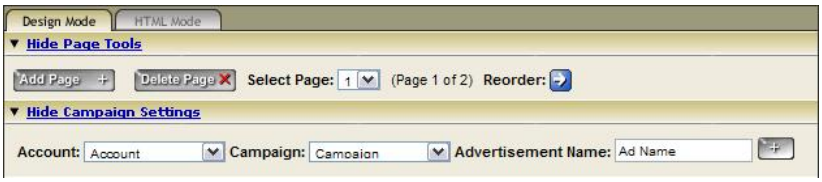
Delete Existing Account

1. Click on 'Manage Campaigns' in the main menu, or click on the Go button directly under the 'Manage Campaigns' section.
2. Click on the Go button directly under the 'Manage Campaign Information' section.
3. Under the 'Delete Existing Account' section, select the account you wish to delete from the drop-down menu. Then click on the Delete button.
4. Click on 'OK' to confirm the deletion.

Add Advertisement to Campaign

In order to setup reports, you need to first commit a page to an existing campaign.

1. Click on 'Manage Pages' on the main menu, or click on the Go button directly under the 'Manage Pages' section.
2. Click on the Scene which holds the page you need to start reporting on.
3. Click on the pane which holds the page you need to start reporting on, and then select the appropriate page.
4. Click on 'Show Campaign Settings'.
5. Select the account under which your campaign resides.



6. Select the campaign from the drop-down menu.
7. Type in the name you would like the advertisement to be called.

8. Click on the button to add the campaign to this page.

View Campaign Reports

With the Exhibio Campaign Reports, you can review reports by a campaign or by an account. Also, you can export the full log files as a comma separated value (.csv) file and open them directly into Microsoft Excel.

View Reports by Campaign

1. Click on 'Manage Campaigns' in the main menu, or click on the button directly under the 'Manage Campaigns' section.
2. Click on the button directly under the 'View Campaign Reports' section.
3. Select the account from the drop-down menu, and then select the campaign in the drop-down menu. Select the start date and the end date.
4. Click on the button within the 'View Reports by Campaign' section.
5. Here it will show you the number of impressions that campaign made. If you require a log file, click on the 'Log Files' button, which will show a list of log files compatible with Microsoft Excel.

View Reports by Campaign:
Select Campaign:
Account: --Please Choose-- Campaign: --Please Choose--
Select Start and End Dates:
Start Date: 5/8/2007 Select... End Date: 5/9/2007 Select...
Go

View Reports by Account

1. Click on 'Manage Campaigns' in the main menu, or click on the button directly under the 'Manage Campaigns' section.
2. Click on the button directly under the 'View Campaign Reports' section.
3. Select the account from the drop-down menu, and select the start date and the end date.
4. Click on the button within the 'View Reports by Account' section.

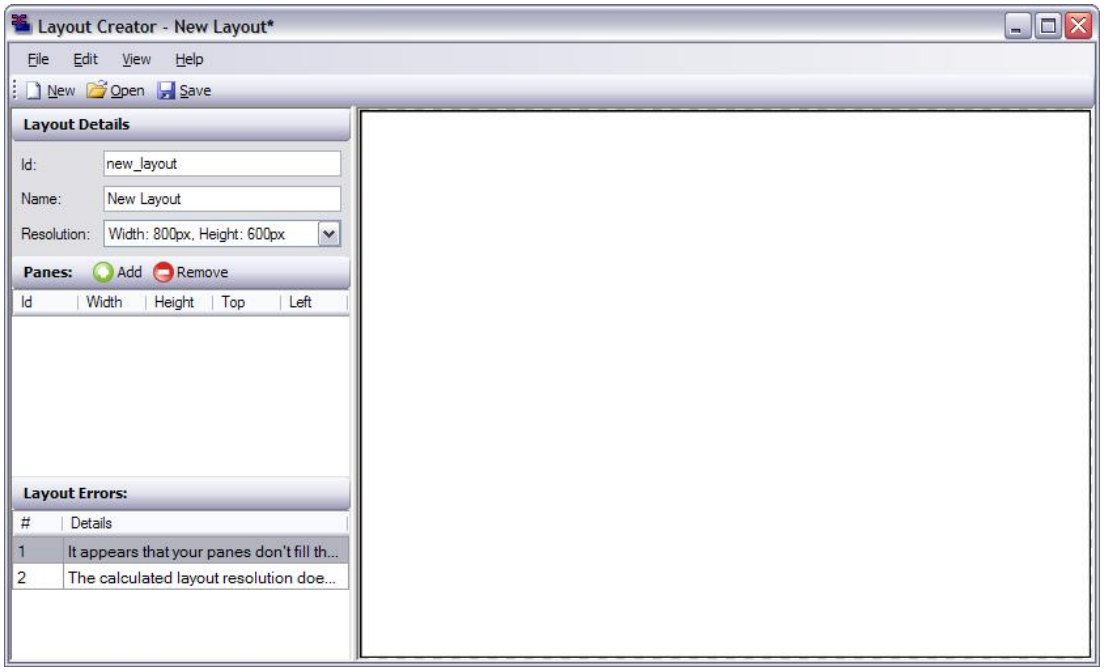
5. This will show you the number of impressions for each advertisement listed under the account. If you require a log file, click on the 'Log Files' button, which will show a list of log files compatible with Microsoft Excel.

MANAGE PANE LAYOUTS

With the Exhibio System, you can generate your own custom pane layouts, cutting the screen up into your own panes.

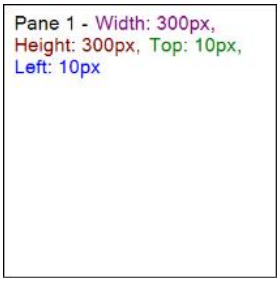
Create New Pane Layouts

First, click on the Go button under the 'Create Pane Layouts' section. You must download the Exhibio Layout Creator to your local computer. Once the software is downloaded and installed, it will automatically lauch on your computer.

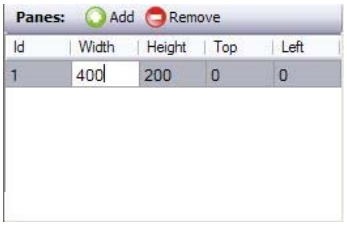


To create a new pane layout, please do the following:

1. Provide an ID and a Name for your pane layout. Ensure that you use no spaces in the ID field.
2. Select the resolution from the Resolution drop-down Box. You will want to select the resolution that your Exhibio Unit is currently running on to ensure it will fill the screen, edge to edge.
3. Click on the 'Add' button which will place a new pane into the editor. This will show you the current width, height, and position from the top and left.

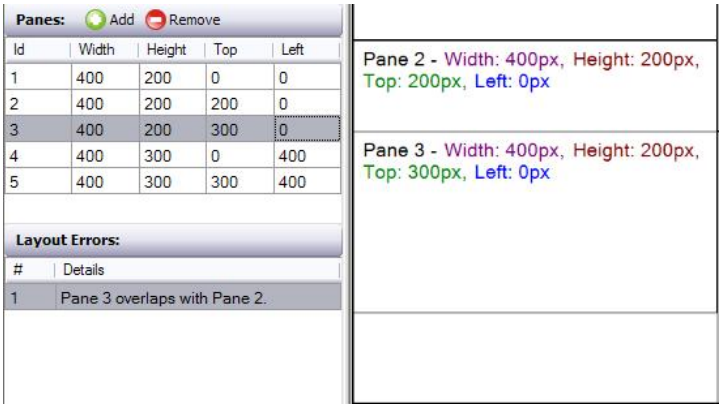


4. To change the width, height, and position of the pane; change the attributes on the left side. Type in the width and the height of your new pane. Then, if you want it to be exactly at the top left, change the Top to 0 as well as the Left to 0.



5. Add another pane, and adjust accordingly. If there are any overlaps, errors will be displayed in the bottom left area, under 'Layout Errors'. Before you can save your layout, you must correct any errors that exist.

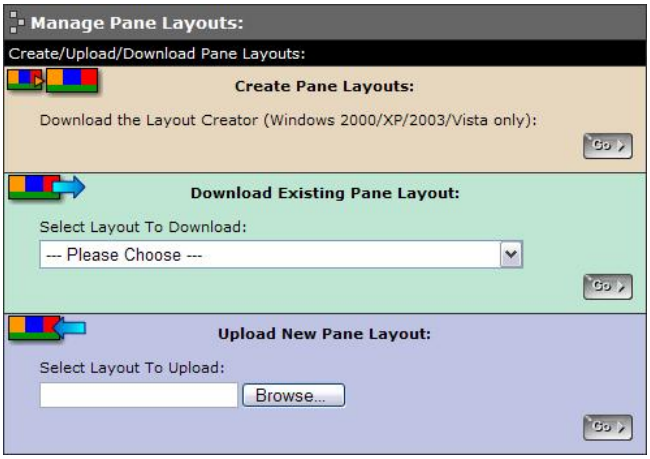
   For example, in the case to the right, Pane 3 overlaps Pane 2. This is corrected be changing the top position of Pane 3. It should be 400, rather than 300. Once that's changed to 400, the error will go away, and the new pane layout can be saved.


Panes: Add Remove
Id Width Height Top Left
1 400 200 0 0
2 400 200 200 0
3 400 200 300 0
4 400 300 0 400
5 400 300 300 400
Layout Errors:
Details
1 Pane 3 overlaps with Pane 2.
Pane 2 - Width: 400px, Height: 200px, Top: 200px, Left: 0px
Pane 3 - Width: 400px, Height: 200px, Top: 300px, Left: 0px

6. The pane layout illustrated on the right has no errors, and it fills the screen from edge to edge. Now it's ready to be saved, and uploaded to the Exhibio Manager. To save the pane, click on Save button towards the top (or File -> Save). The pane layout will be automatically named by the ID you initially typed in. Save this in a location that you will be able to easily access later. Once you've saved your Pane Layout, go back to the Exhibio Manager so it may be uploaded.

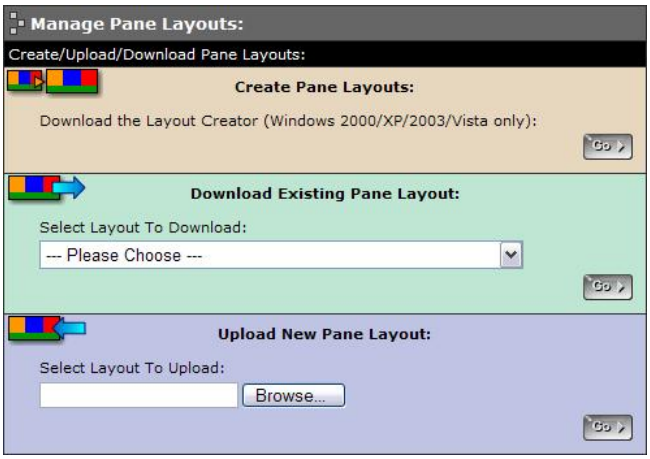
Pane 1 - Width: 400px, Height: 200px, Top: 0px, Left: 0px
Pane 2 - Width: 400px, Height: 200px, Top: 200px, Left: 0px
Pane 3 - Width: 400px, Height: 200px, Top: 400px, Left: 0px
Pane 4 - Width: 400px, Height: 300px, Top: 0px, Left: 400px
Pane 5 - Width: 400px, Height: 300px, Top: 300px, Left: 400px

7. Go back to the 'Manage Pane Layouts' section of the Exhibio Manager. Then, click on the 'Browse' button under 'Upload New Pane Layout', locate your new pane layout file and select it. Then click on the 'Open' Button, and then click on the Go button. It will be added to the 'Manage Scenes' area of the Exhibio Manager, so you can now use that new pane layout in a new scene.



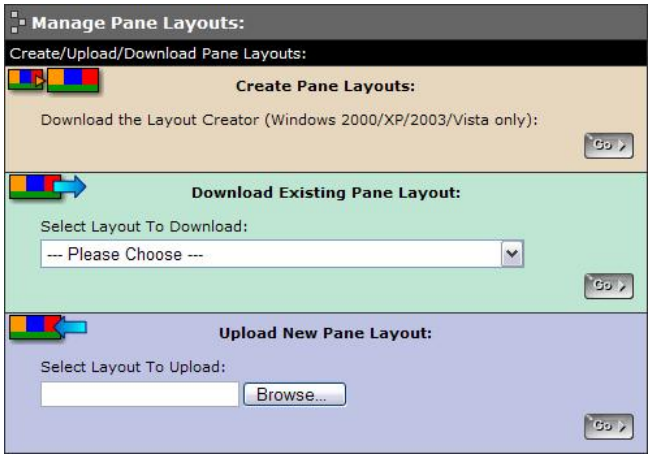
Edit Existing Pane Layout

1. To change the layout of an existing pane layout, go to the 'Manage Pane Layout' section of the Exhibio Manager.
2. Under the 'Download Existing Pane Layout', select the pane you wish to change from the drop down box. Then click on the Go button. Click on the 'Save' button, and save it to a directory you will be able to easily access later.
3. When it completed the download, go to 'Start' -> 'Programs' -> 'Exhibio LLC' –> 'Layout Creator' or click the Go button under 'Create Pane Layouts'.



4. In the Exhibio Layout Creator, click on the 'Open' Button (or File -> Open). Browse for the file that you just saved, select it, and click on the 'Open' Button. It will then pull in the layout you wish to change/edit. Make your changes, change the ID and Name, and then save your pane layout.

5. Go back to the 'Manage Pane Layouts' section of the Exhibio Manager. Then, click on the 'Browse' button under 'Upload New Pane Layout', locate your new pane layout file and select it. Then click on the 'Open' Button, and then click on the Go button. It will be added to the 'Manage Scenes' area of the Exhibio Manager, so you can now use that new pane layout in a new scene.



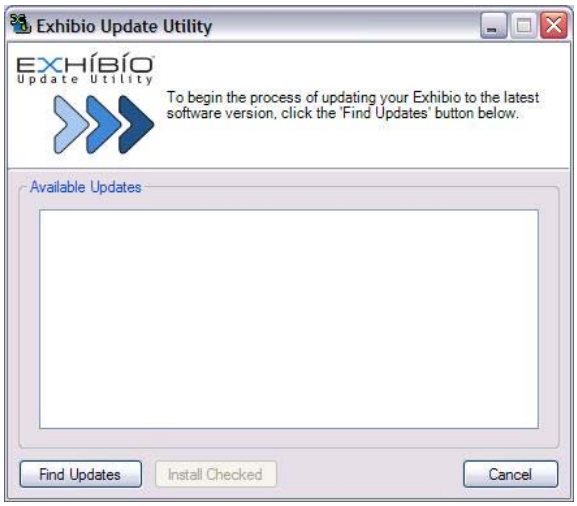
UPDATE EXHIBIO

It's recommended you check your system for updates every 4 months. Exhibio, LLC generally releases small updates to keep your system up to date. There is an update utility directly on the Exhibio Desktop which facilitates installing all major and minor updates.

1. Plug a keyboard and mouse directly into the Exhibio System.
2. Stop the current sign display by pressing the 'Esc' key.
3. Double click the Exhibio Update icon on the Desktop.

4. Log into the Exhibio Update Utility with the Exhibio Administrator Password.

5. Click on 'Find Updates' and allow some time for the system to check for updates. If there is an update available, it show up in the white area. Check the update, and click on 'Install Checked'. If there are no updates, then click on Finished.


Exhibio Update Utility
EXHIBIO
Update Utility
To begin the process of updating your Exhibio to the latest software version, click the 'Find Updates' button below.
Available Updates
Find Updates
Install Checked
Cancel

APPENDIX A. TROUBLESHOOTING

My web browser displays a 'Server Cannot be Found' message.

First, check your network connection. If you are not connected to the network or cannot access the domain name server you will be prevented from accessing the display. Please consult with your Network Administrator.

There a noticeable lag when I start up and/or when I'm using the Exhibio Manager, especially in the 'Manage Scenes' section.

This may occur if you have multiple Exhibios and have set up a Sign Grouping and one of the other units in the group is unavailable. The Exhibio unit that you are working on is attempting to establish communication with the missing unit(s) in the group. After several seconds of trying, it will display a message indicating the failure to establish communication. The error message will provide information on which units are unavailable.

When updating the display remotely, the preview doesn't look right.

Your computer must access Exhibio's web server in order to display the content in your browser. It needs to access the server and transfer all of the displayed items over your network connection to your web browser. If there is a temporary slowdown in that connection, the preview window might temporarily display an incomplete layout.

I changed the background image for a scene, but my pages still have the old background.

Changes made in the scene setup take effect in NEW pages you create within the scene. To change the background of existing pages, you'll need go to 'Page Setup' in the Page Editor and specify the new background image.

Images seem to come in very slowly in the preview window. Is this happening on the live display too?

Because your computer needs to download all of the images in order to show them in the preview window, if the images are larger than 100 kilobytes, they will take a few seconds or more to download and display. This effect is less noticeable on the live display since the system is retrieving images directly from its own hard disk.

I dragged an image into the Page Editor window and it looks fine on my preview, but the live display doesn't show the image, just a little box with an 'X' in it.

The Administration System does not support drag-and-drop. You must upload your images to the display and insert them using the tools built into the Page Editor.

Some of my images have suddenly disappeared! What happened?

Chances are, you copied and pasted them from one scene to another, then deleted the scene in which you originally placed the images. Images are stored on the Exhibio's file system in folders organized by scenes (this allows the cloning feature to work). When you copy and paste, the reference to the image will remain as long as the scene exists. Deleting a scene removes all of the folders and content associated with that scene, however, including any images referenced in other scenes.

My 'Insert Images', 'Insert Movies', 'Insert Audio Clips', 'Insert Flash Animations', and 'Insert Web Page' buttons on the page editor generate an error.

This issue is a result of having recently installed Windows Server 2003 Service Pack One on the Exhibio unit (All units shipped after May 1, 2005 come with Service Pack One pre-installed.). The following procedure will fix the problems that you are having.

You will need to run this procedure directly on your Exhibio unit with a keyboard and mouse attached.

1. Go to 'Start/Administrative Tools' and right click on 'Internet Information Services (IIS) Manager'.
2. Click 'Run as...'.
3. Check the 'The following user:' radio button.
4. Make sure that your 'Administrator' user is in the box next to 'User name:'.
5. Type your 'Administrator' user password in the box next to 'Password:'.
6. Click 'OK'.
7. Expand the (local computer) node on the left.
8. Under the 'Web Sites' expand the 'Exhibio Manager' website.
9. Expand the 'aspnet_client' folder and highlight the 'FreeTextBox' folder.
10. Click the 'Properties' button in the toolbar (the one that looks like a hand pointing at a piece of paper).
11. Select the 'Directory' tab.
12. Towards the bottom, next to 'Execute Permissions', select 'Scripts only'.
13. Click 'OK'.
14. Close the 'Internet Information Services (IIS) Manager' window.

The live video window is just a black box.

Check your cable connections. Change channels to see if a television picture shows up. If these two techniques don't solve the problem, you may have placed two live TV/Video windows into your scene (on the same page or in different panes) and they were set to show simultaneously on the screen. Only ONE live TV/video image can appear on the running sign display. If multiple live video windows are set to appear on the display, they will both 'go blank' and show only a black box. To correct this, delete any extra video windows and re-start the scene by scheduling it in the 'Schedule Scene Playback' section.

I removed a scene with live video from the schedule and the audio is still playing.

To make the audio stop, put a scene with live video back on the schedule, and then add a separate scene without live video to the schedule. Next, delete the scene with live video. The current sign will revert to the scene you added to the Schedule.

In portrait mode, live video looks 'jerky.'

Live video will display at a lower frame rate due to the extra video processing requirements of the video card to display portrait mode. The higher the resolution, the lower the frame rate. Try using a lower resolution to reduce the 'jerkiness' of the video.

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NETSPELL SPELL CHECKING ENGINE

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NEATUPLOAD FILE UPLOAD COMPONENT

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TINYMCE WYSIWYG HTML EDITOR

This application uses TinyMCE which is covered by the Lesser General Public License. The source code for TinyMCE is included in the following location: C:\Program Files\Exhibio\ExhibioManager\tiny_mce.

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